

FIG. 1 PRIOR ART

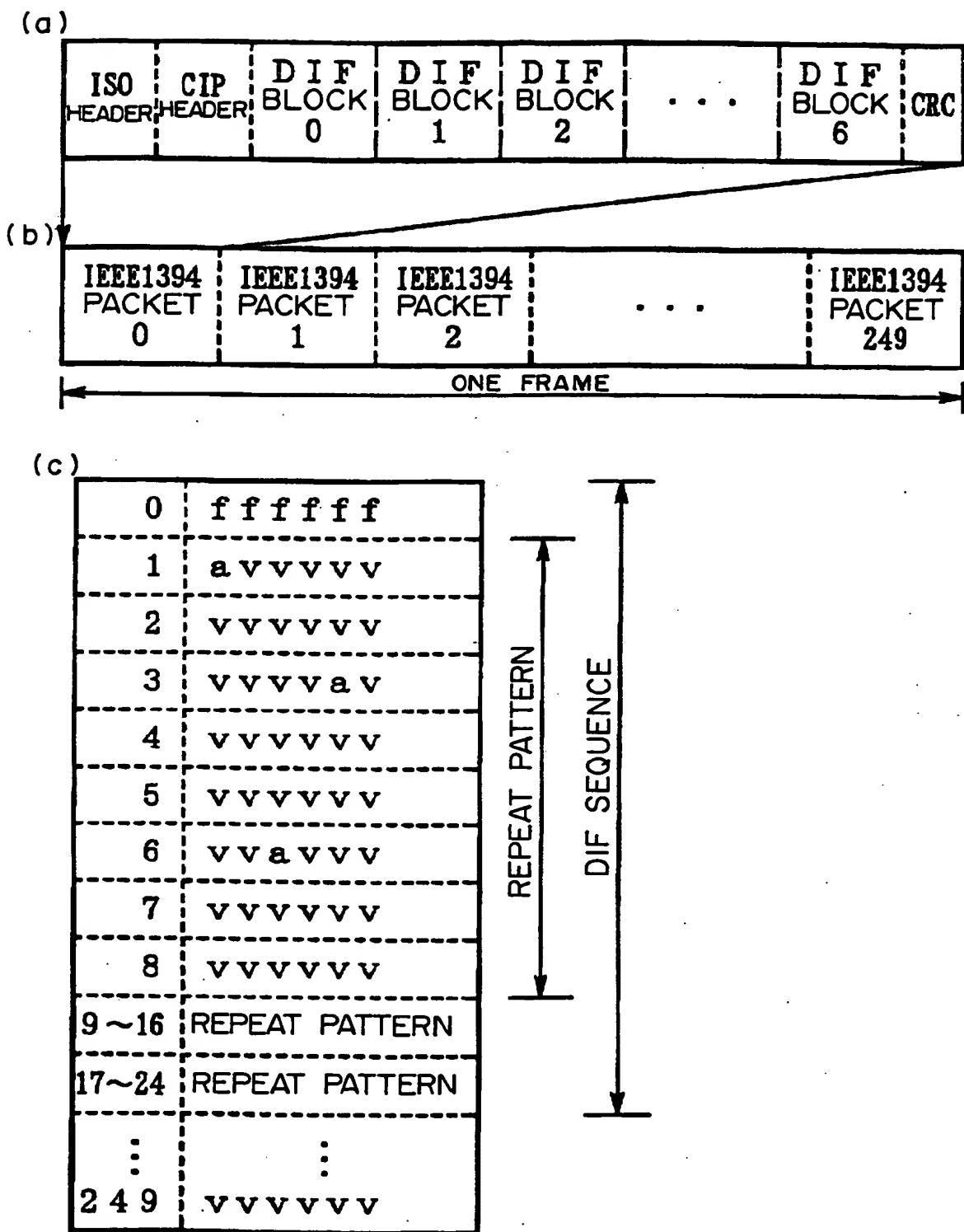


FIG. 2 PRIOR ART

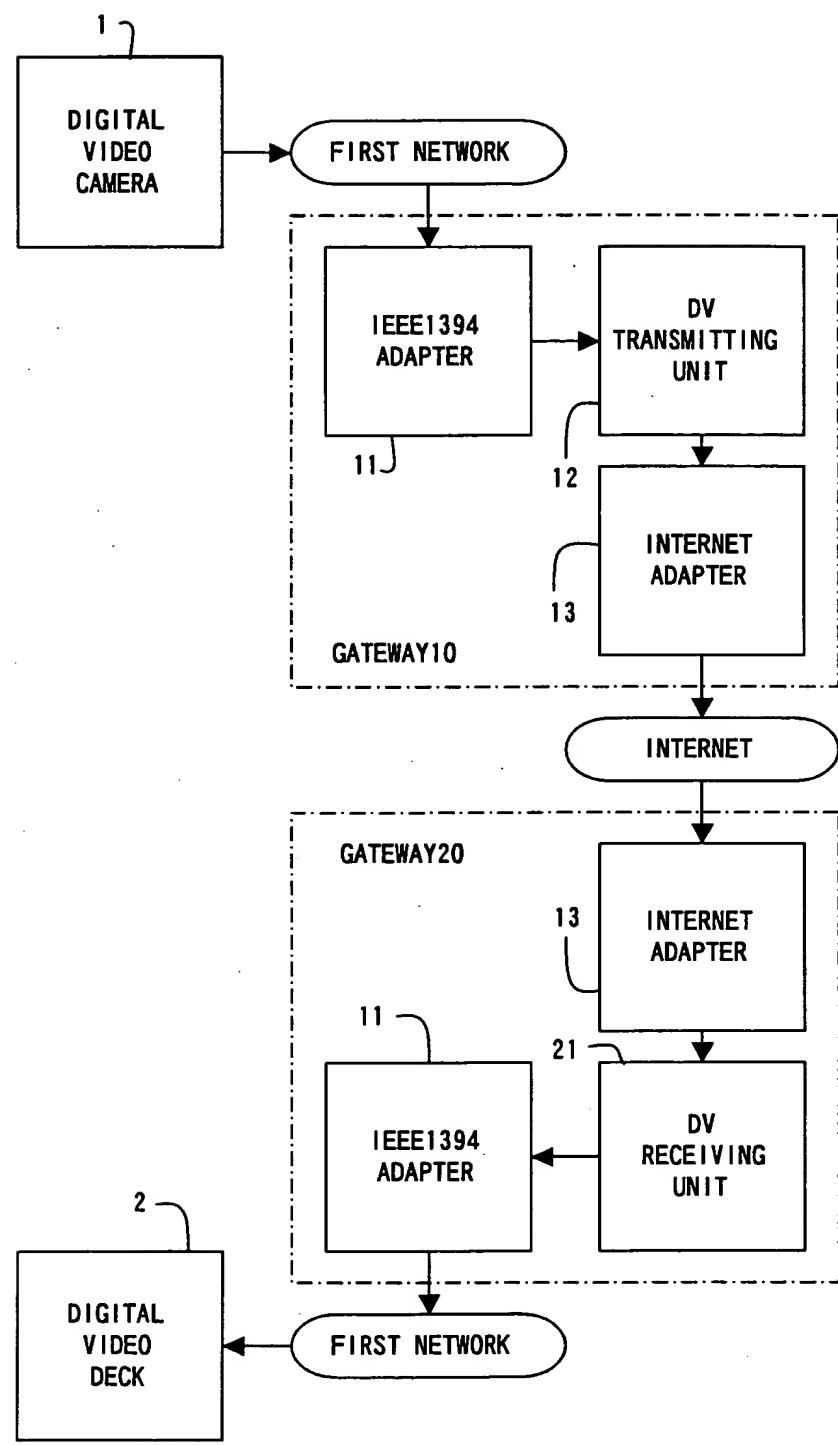


FIG. 3

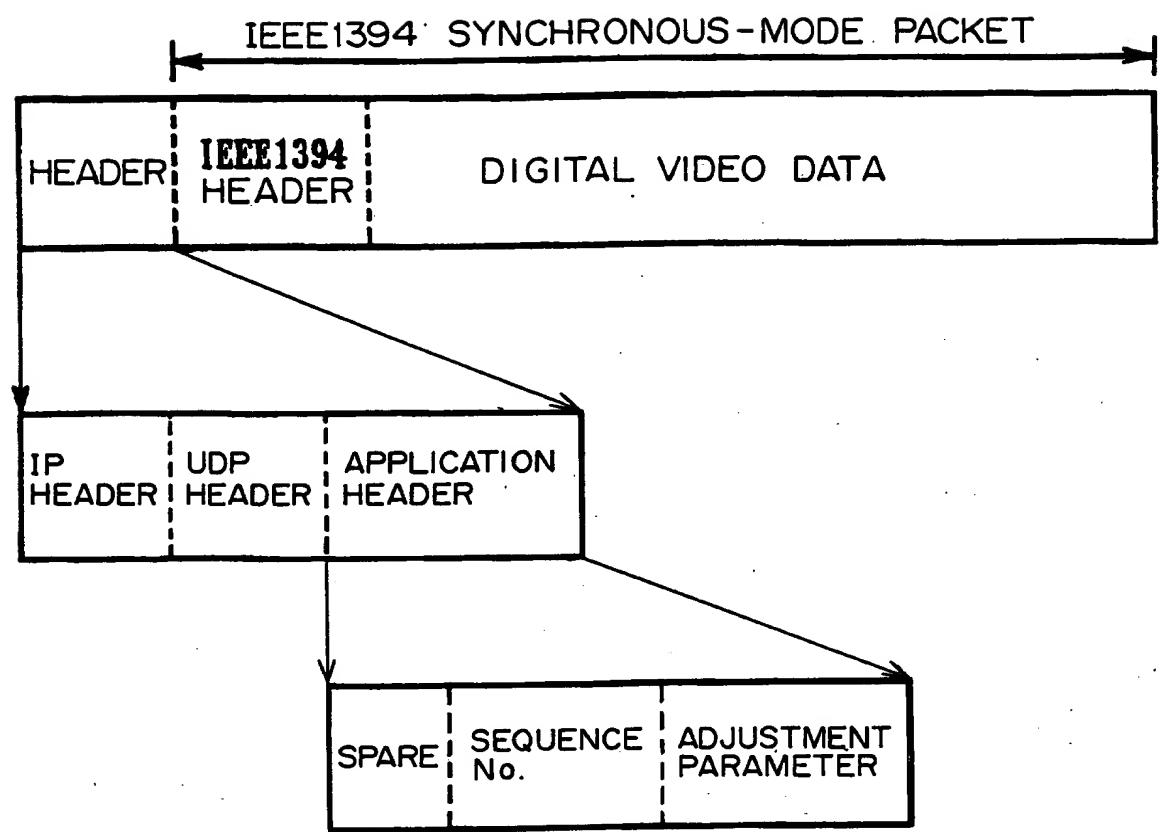


FIG. 4 PRIOR ART

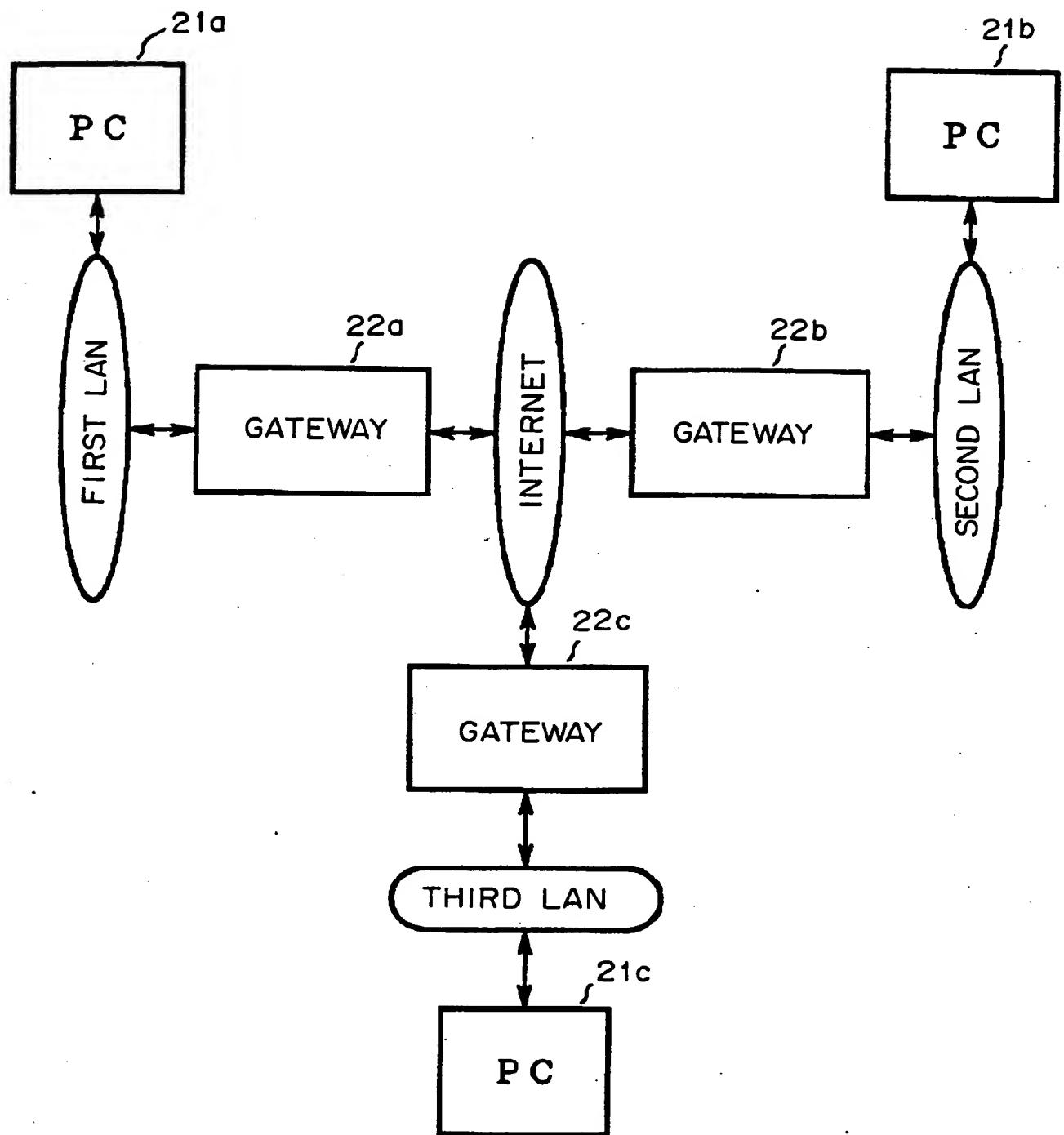


FIG. 5      PRIOR ART

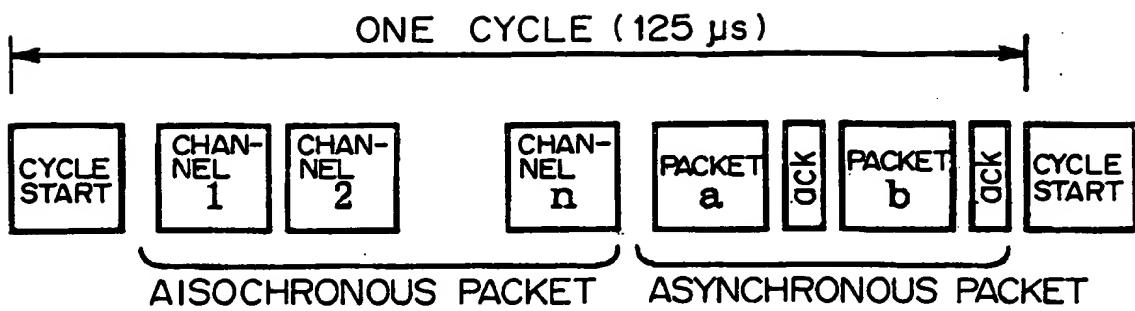


FIG. 6A PRIOR ART

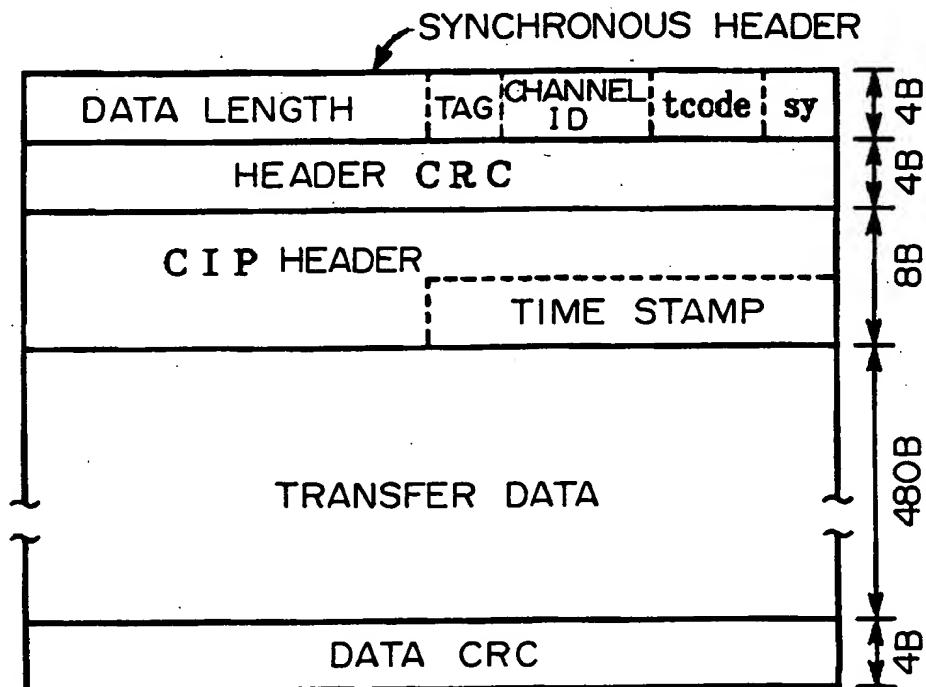


FIG. 6B PRIOR ART

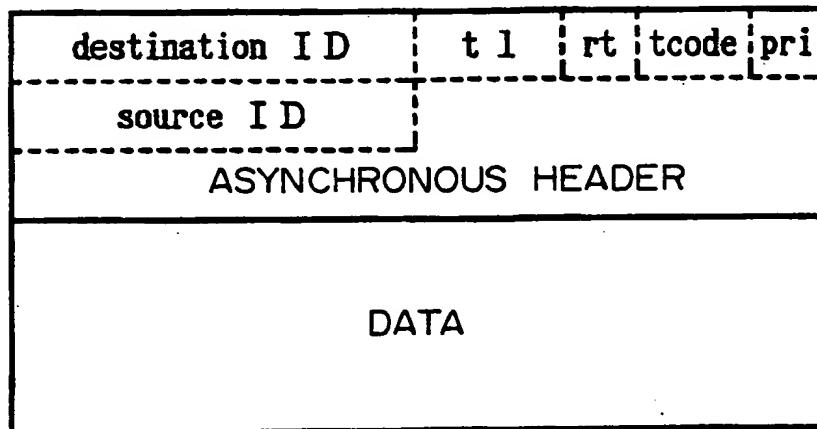


FIG. 6C PRIOR ART

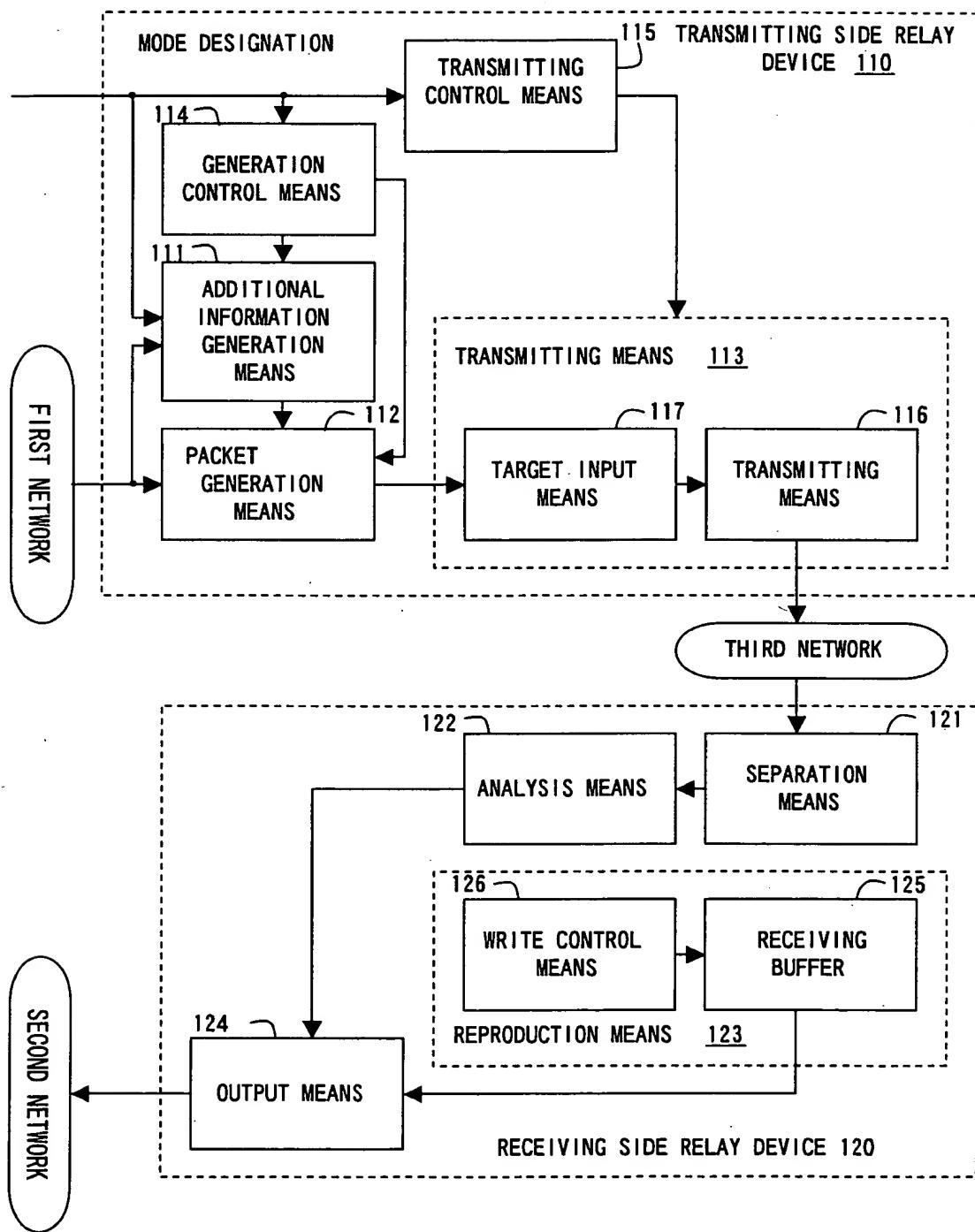


FIG. 7

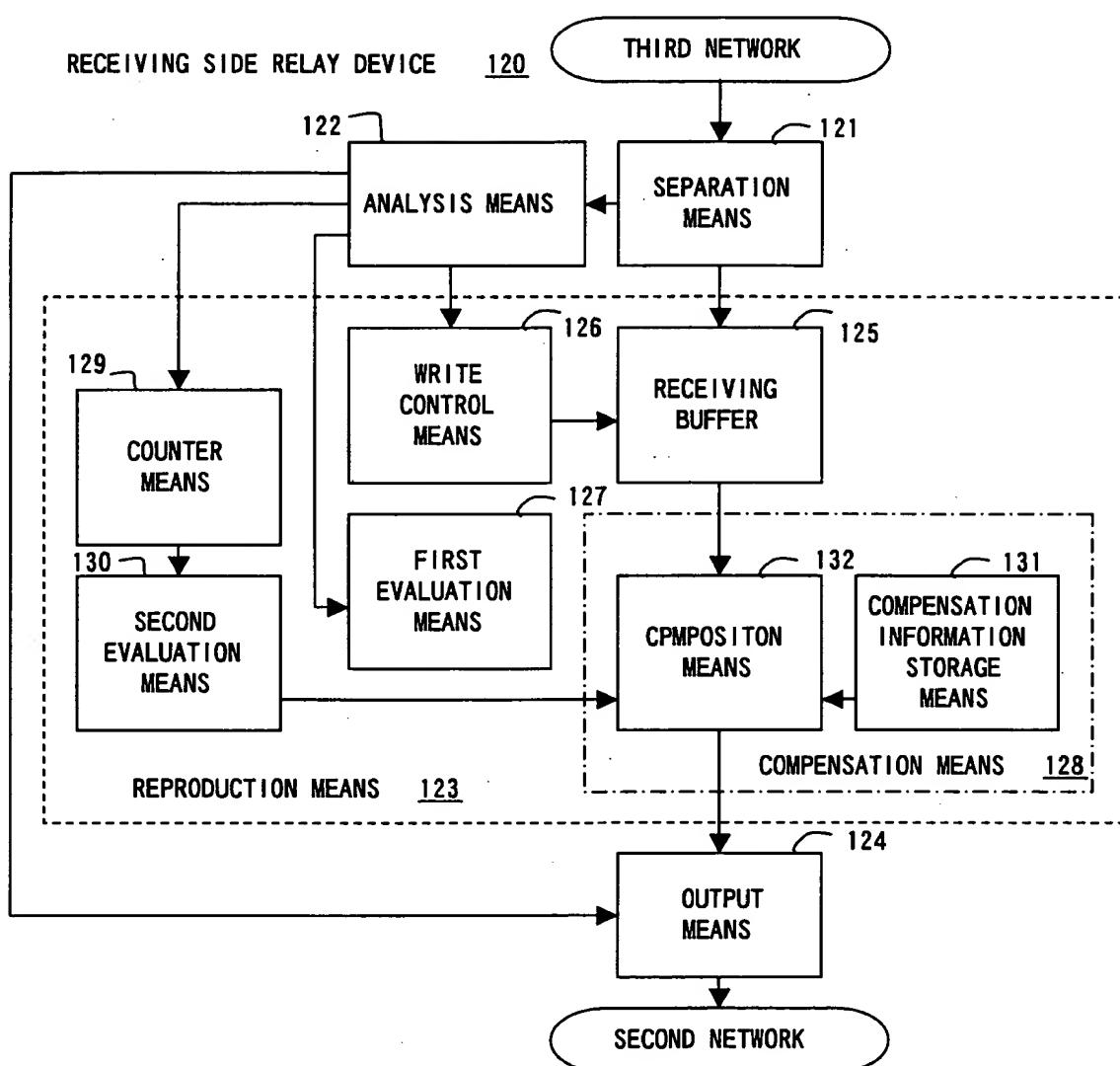


FIG. 8

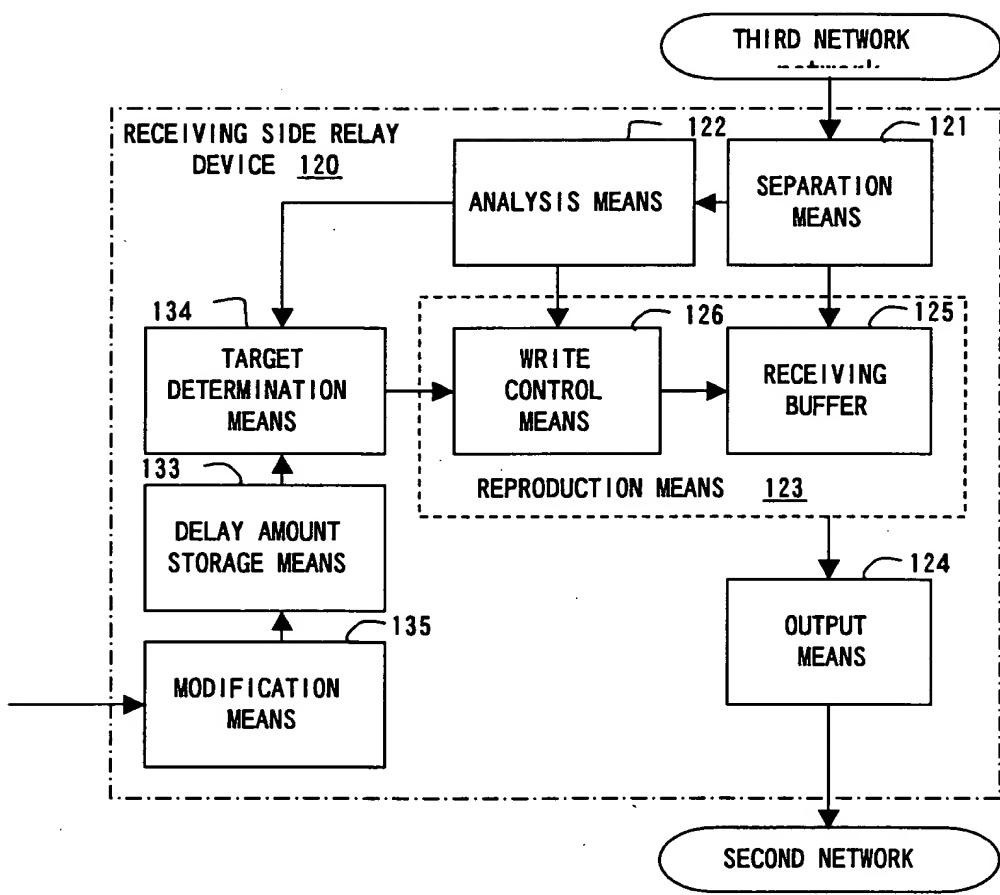
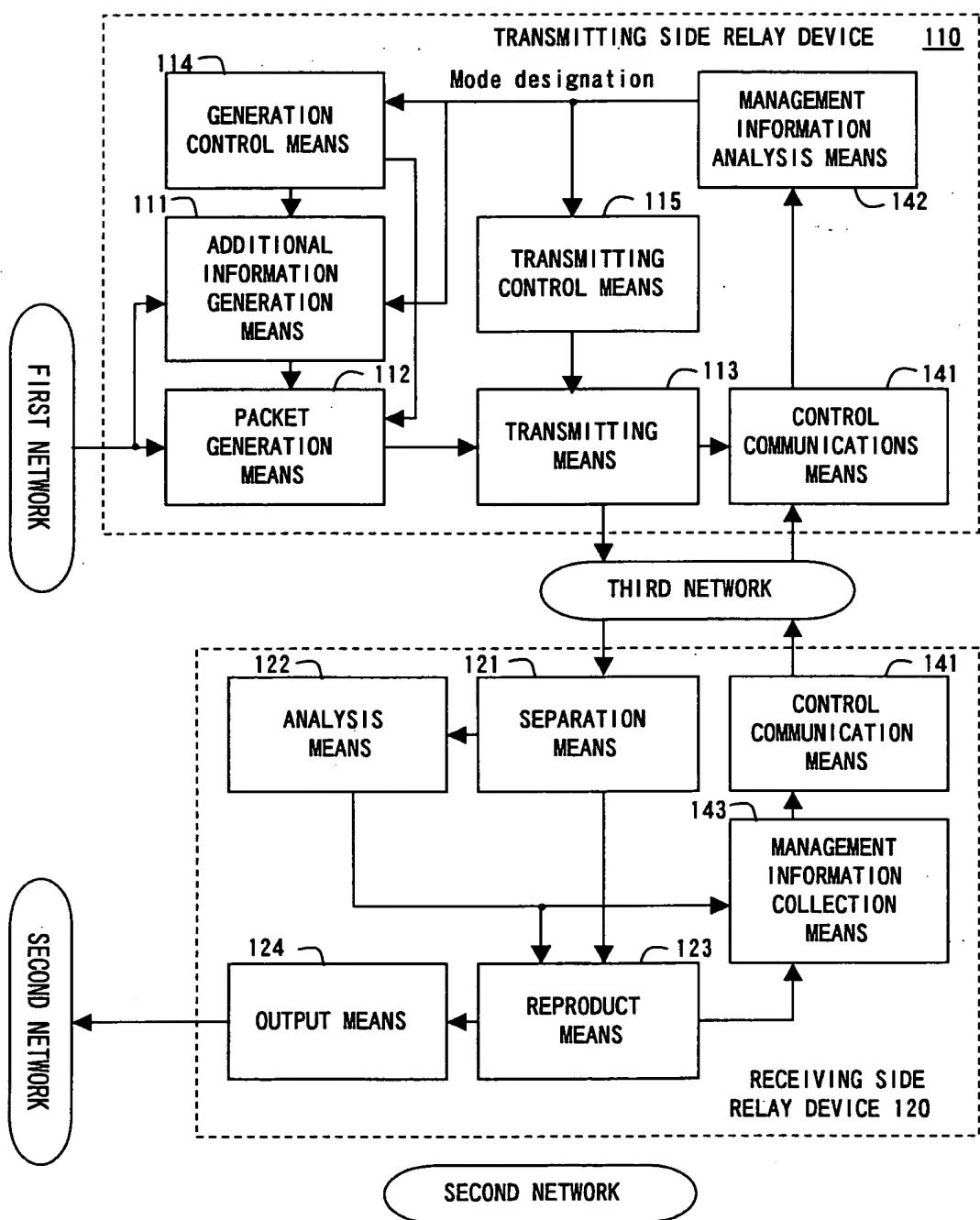


FIG. 9



F I G. 1 0

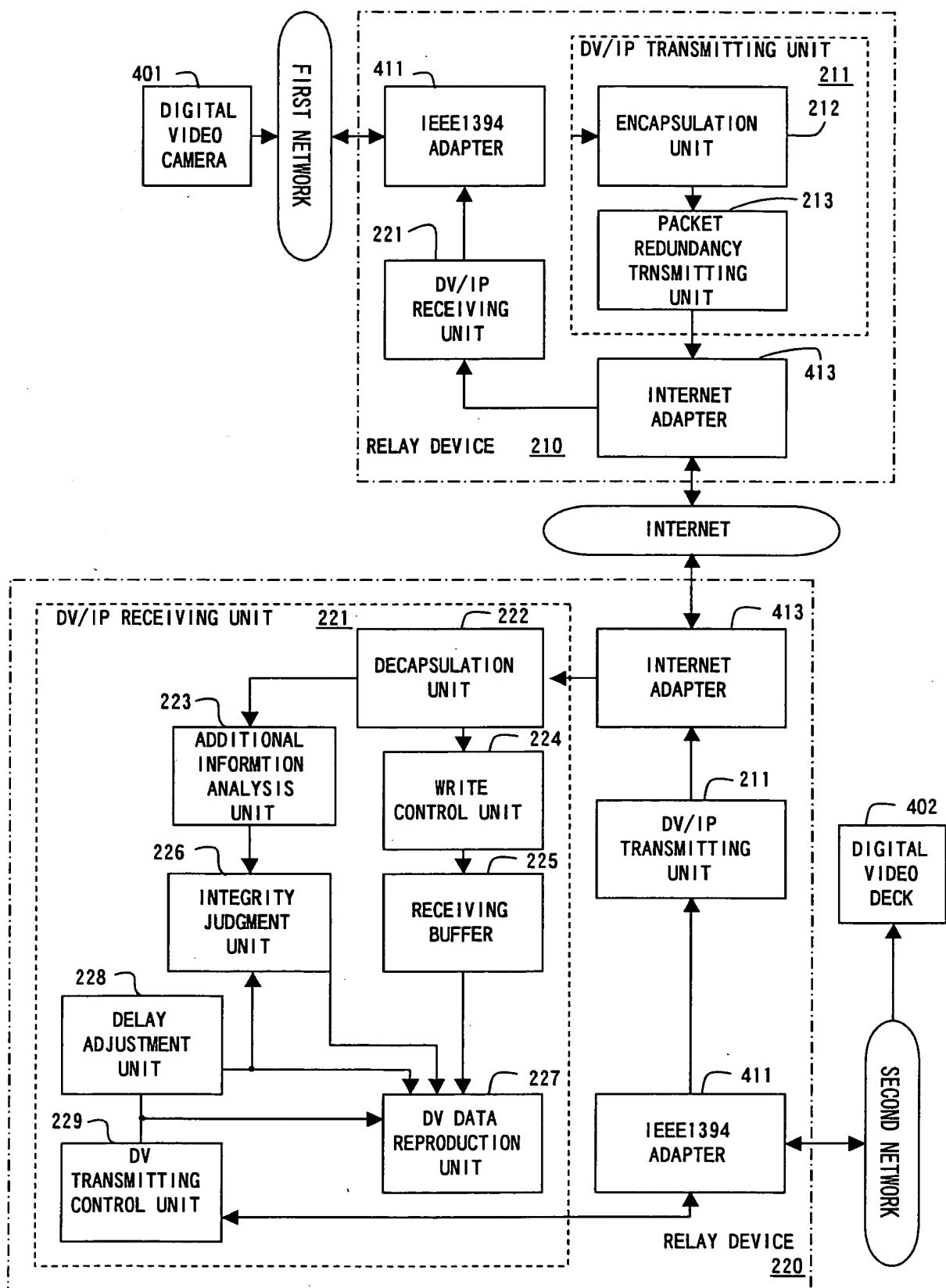
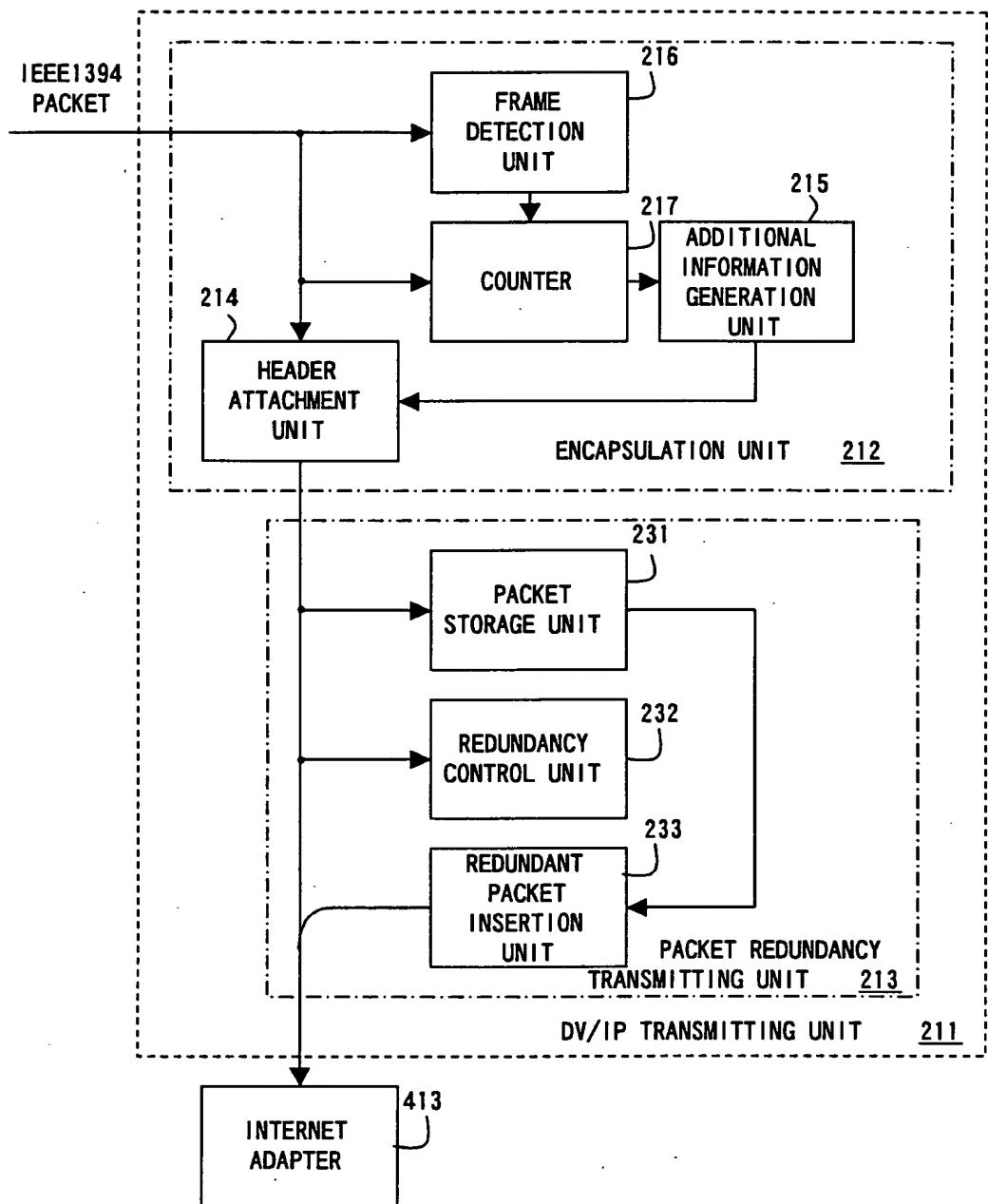


FIG. 11



F I G. 1 2

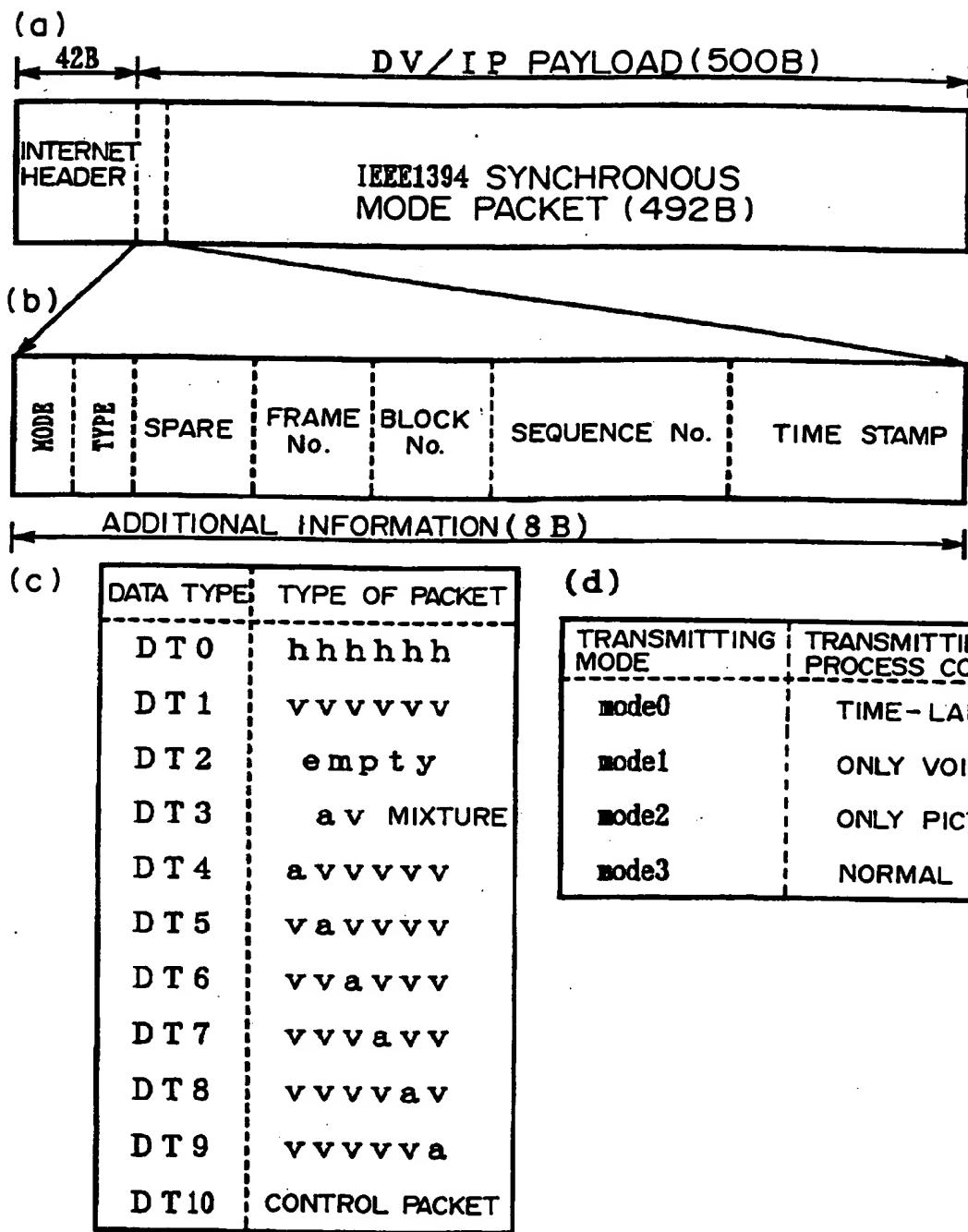
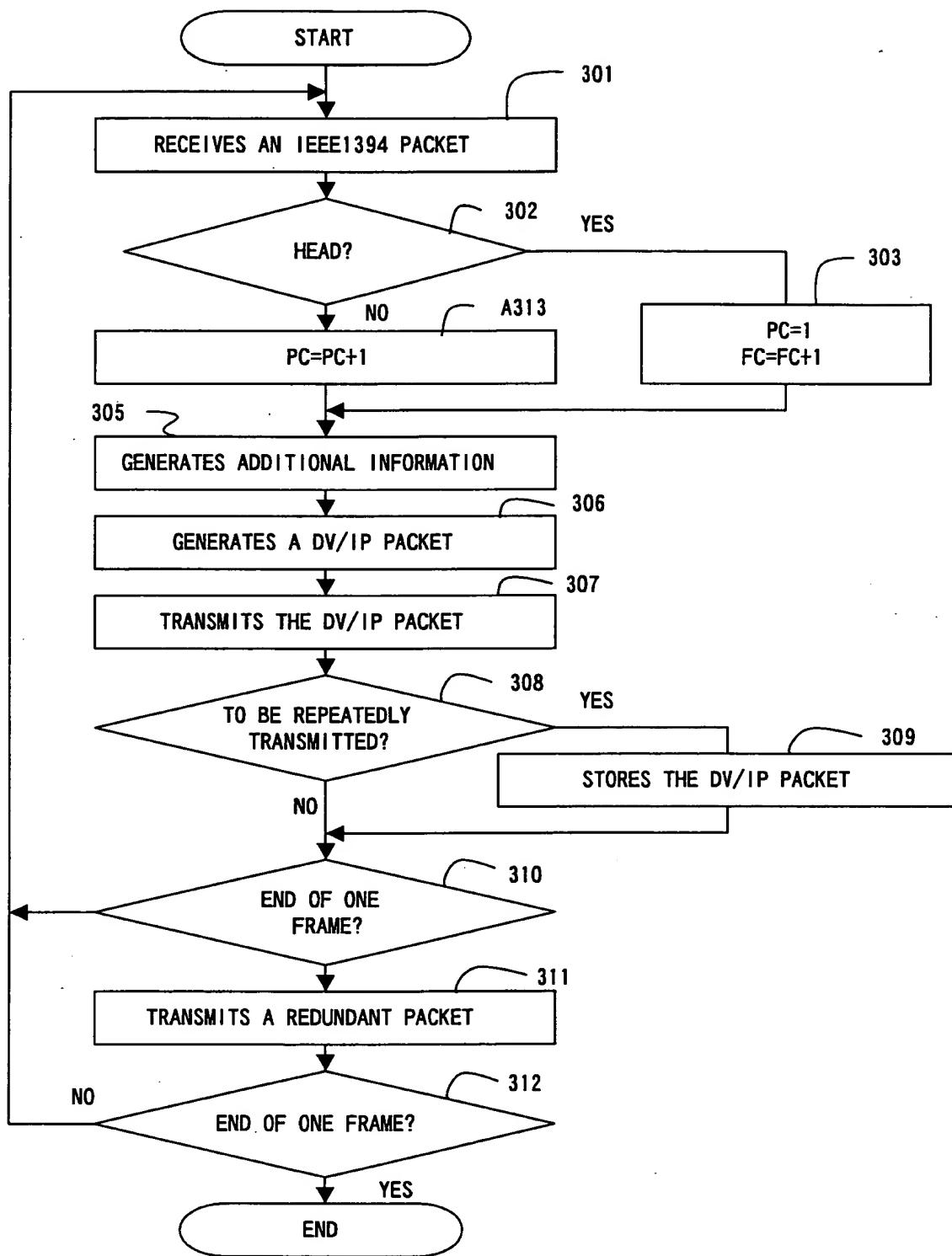


FIG. 13



F I G. 1 4

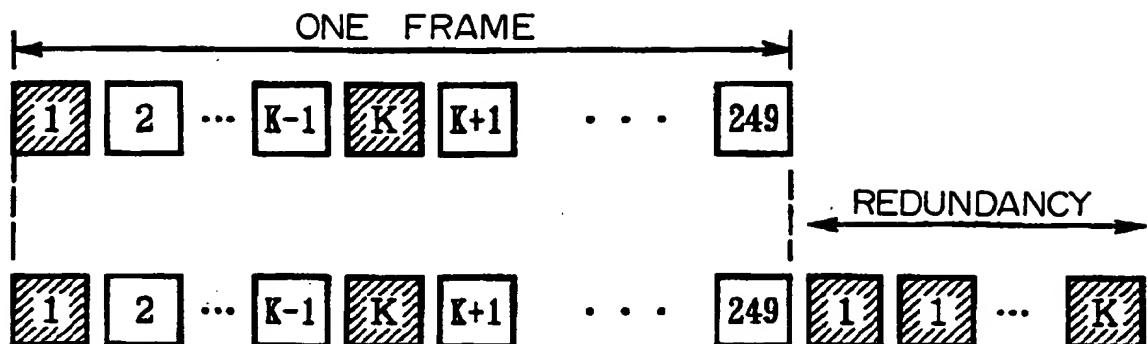


FIG. 15A

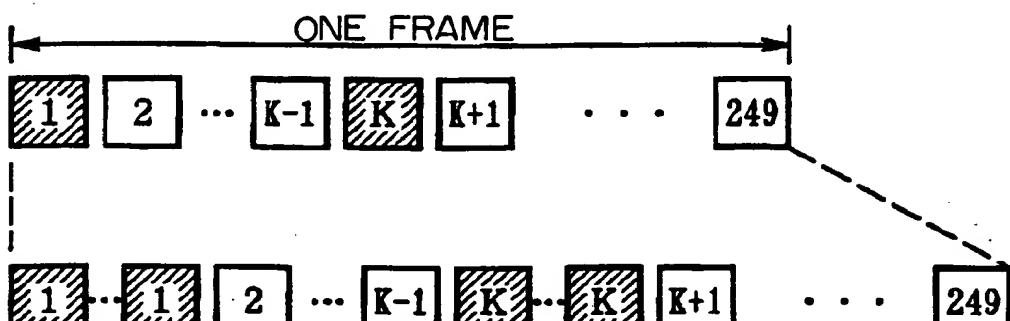


FIG. 15B

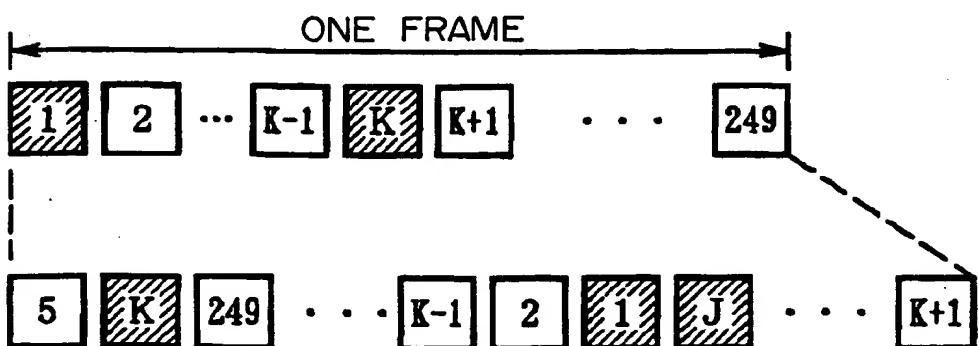


FIG. 15C

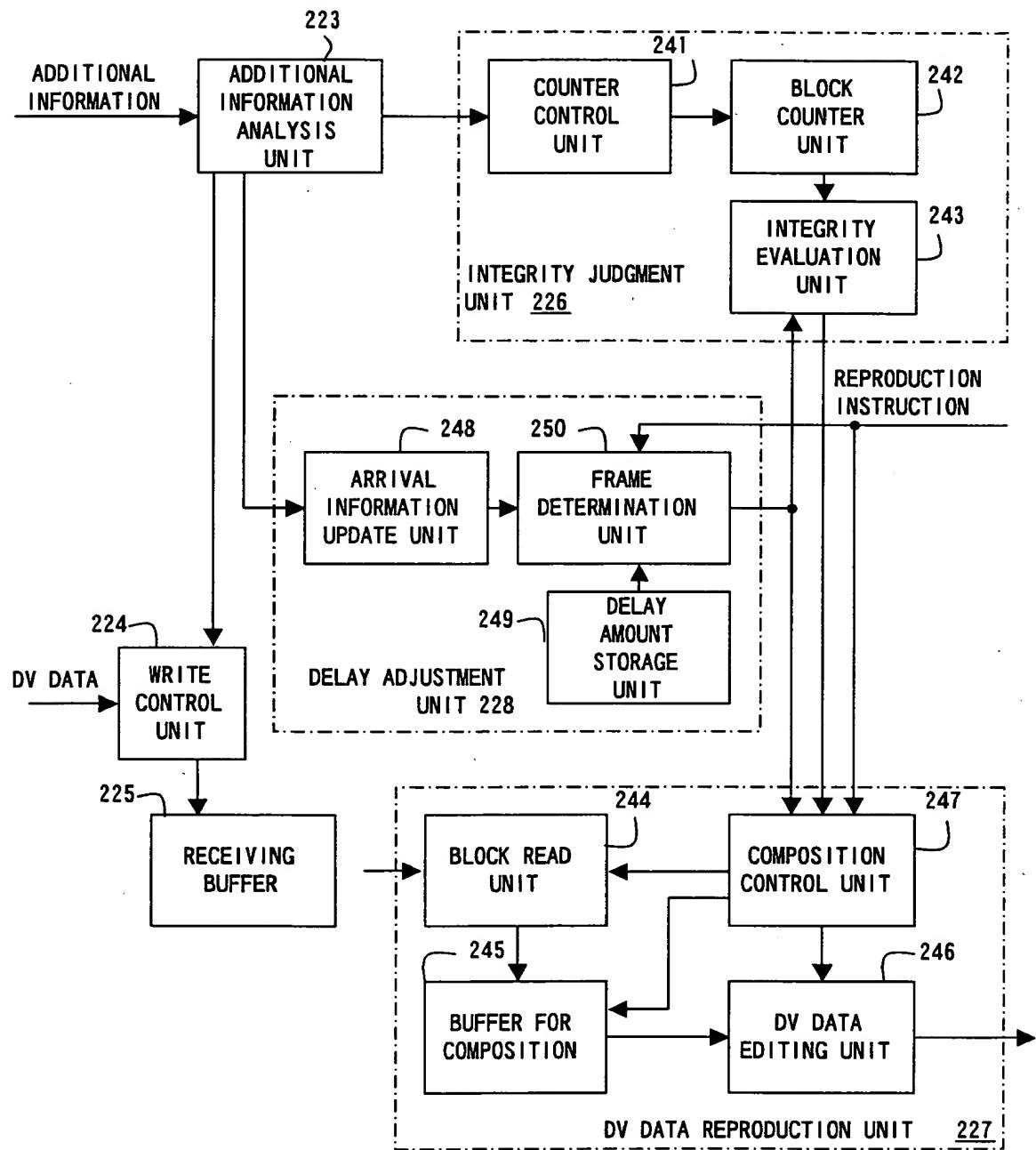


FIG. 16

BLOCK No.	FRAME(0)	FRAME(1)	...	FRAME(K)
0	DV <sub>0, 0</sub>	DV <sub>1, 0</sub>	...	DV <sub>K, 0</sub>
1	DV <sub>0, 1</sub>	DV <sub>1, 1</sub>	...	DV <sub>K, 1</sub>
2	DV <sub>0, 2</sub>	DV <sub>1, 2</sub>	...	DV <sub>K, 2</sub>
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...
249	DV <sub>0, 249</sub>	DV <sub>1, 249</sub>	...	DV <sub>K, 249</sub>

FIG. 17A

	FRAME(0)	FRAME(1)	...	FRAME(K)
RECEIVING BLOCK	RBC0	RBC1	...	RBCK
FRAME HEADER	FHC0	FHC1	...	FHCK
AUDIO BLOCK	ABC0	ABC1	...	ABCK
VIDEO BLOCK	VBC0	VBC1	...	VBCK

FIG. 17B

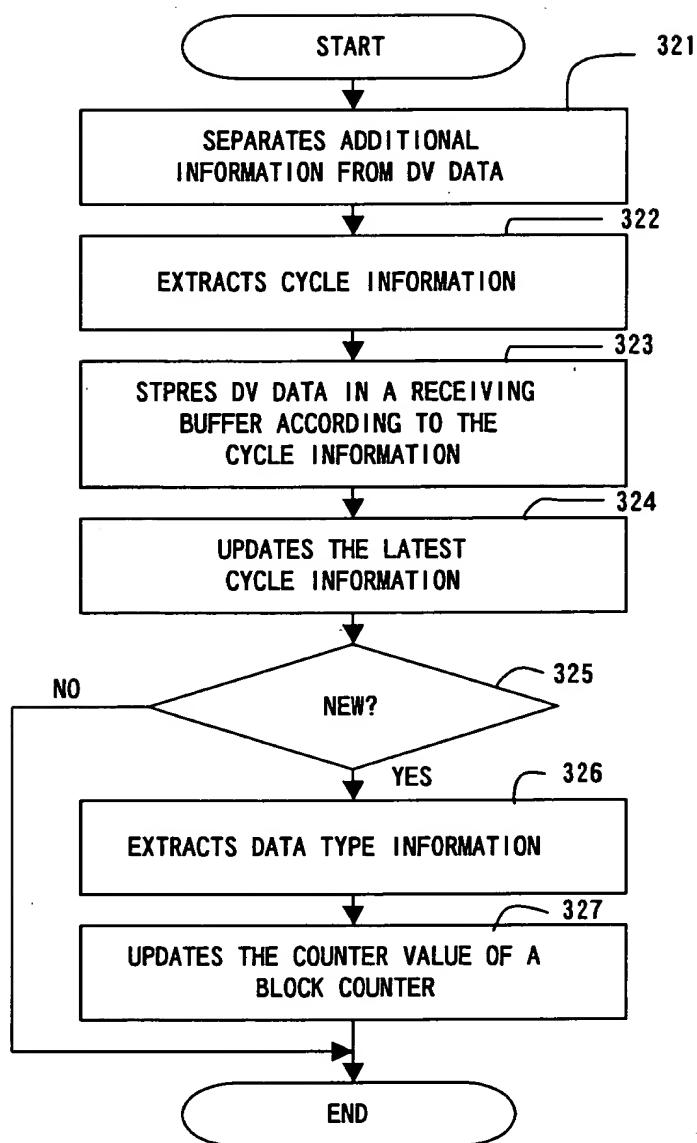


FIG. 18A

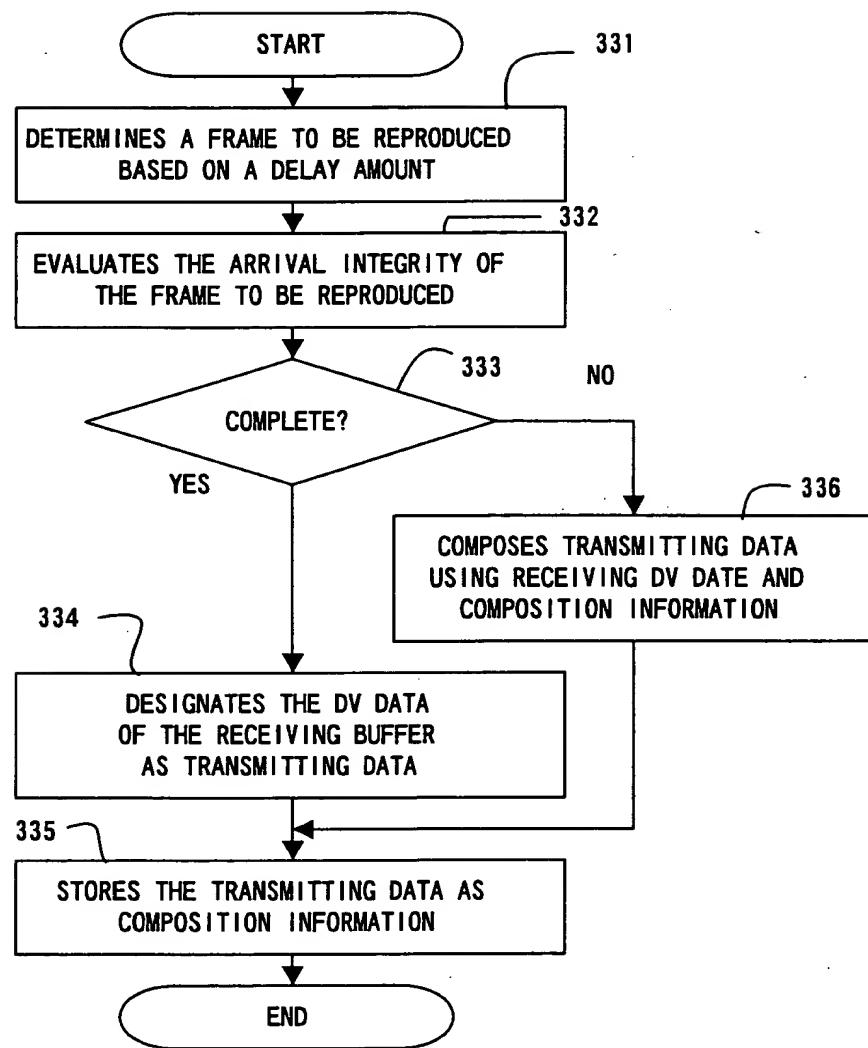


FIG. 18B

FIRST BUFFER	SECOND BUFFER	PACKET No.	TRANSMITTING DATA
$DV_{(n-1, 0)}$	$DV_{(n, 0)}$	0	$DV_{(n, 0)}$
$DV_{(n-1, 1)}$	$DV_{(n, 1)}$	1	$DV_{(n, 1)}$
$DV_{(n-1, 2)}$	LOST	2	$DV_{(n-1, 2)}$
⋮	⋮	⋮	⋮
$DV_{(n-1, 249)}$	$DV_{(n, 249)}$	249	$DV_{(n, 249)}$

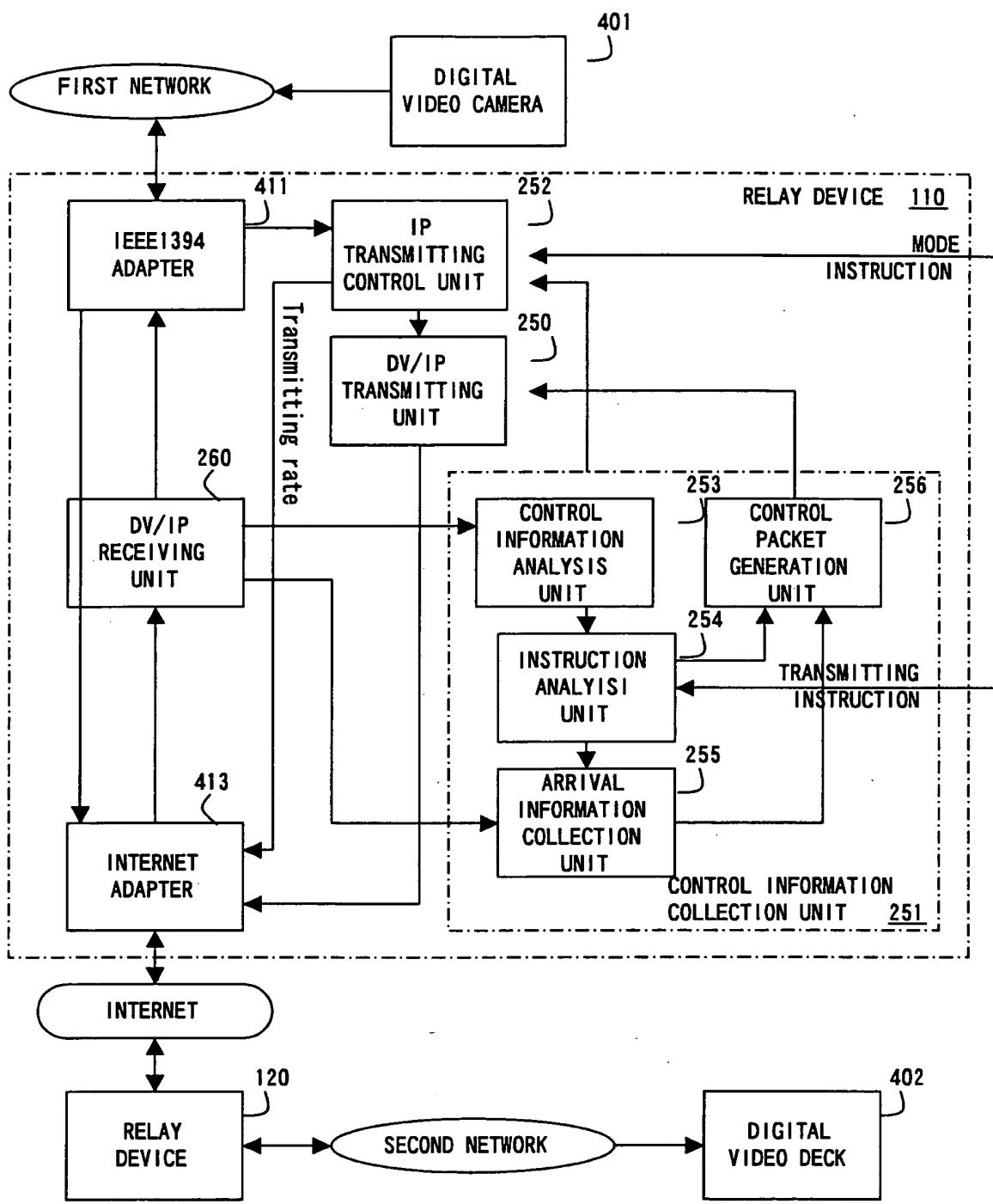
FIG. 19A

PACKET No.	FIRST BUFFER	SECOND BUFFER
0	$FH_{n-1}$	$FH_n$
1	$a_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1}$	$a_n v_n v_n v_n v_n v_n$
2	$v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1}$	LOST
3	$v_{n-1} v_{n-1} v_{n-1} v_{n-1} a_{n-1} v_{n-1}$	$v_n v_n v_n v_n a_n v_n$
⋮	⋮	⋮
249	$v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1}$	LOST

FIG. 19B

PACKET No.	TRANSMITTING DATA
0	$FH_{n-1}$
1	$a_n v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1}$
2	$v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1}$
3	$v_{n-1} v_{n-1} v_{n-1} v_{n-1} a_n v_{n-1}$
⋮	⋮
249	$v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1} v_{n-1}$

FIG. 19C



F I G. 2 0

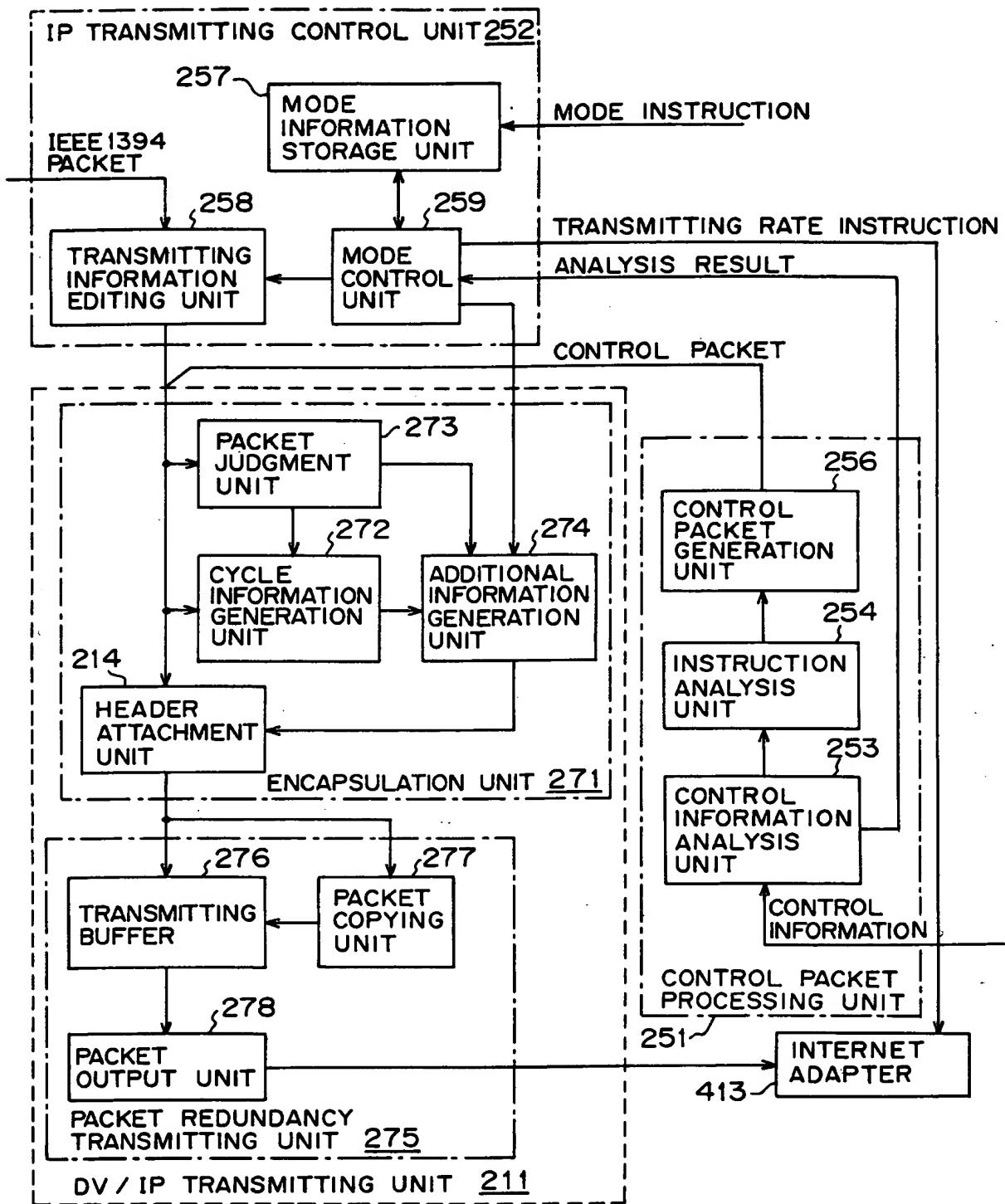
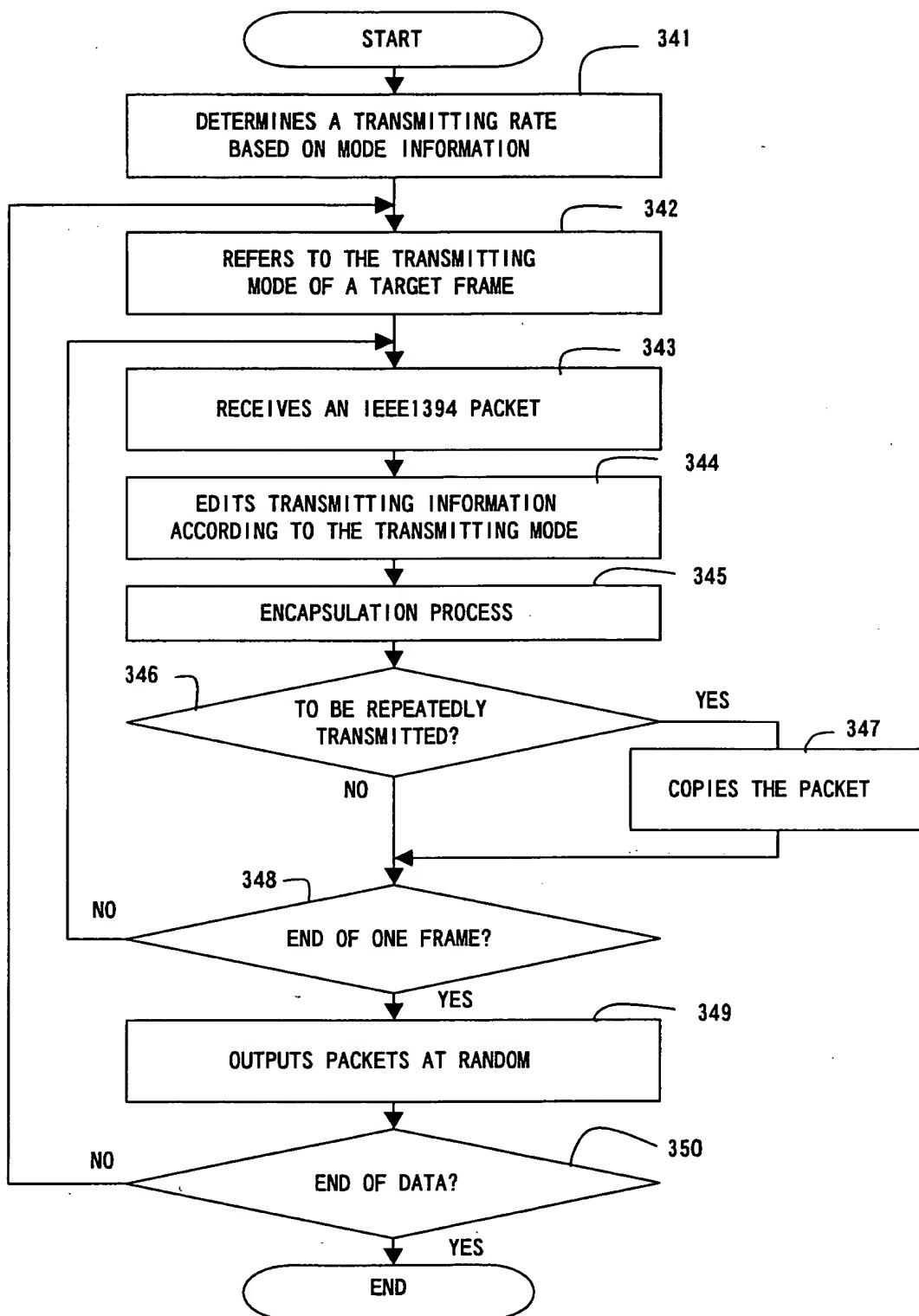
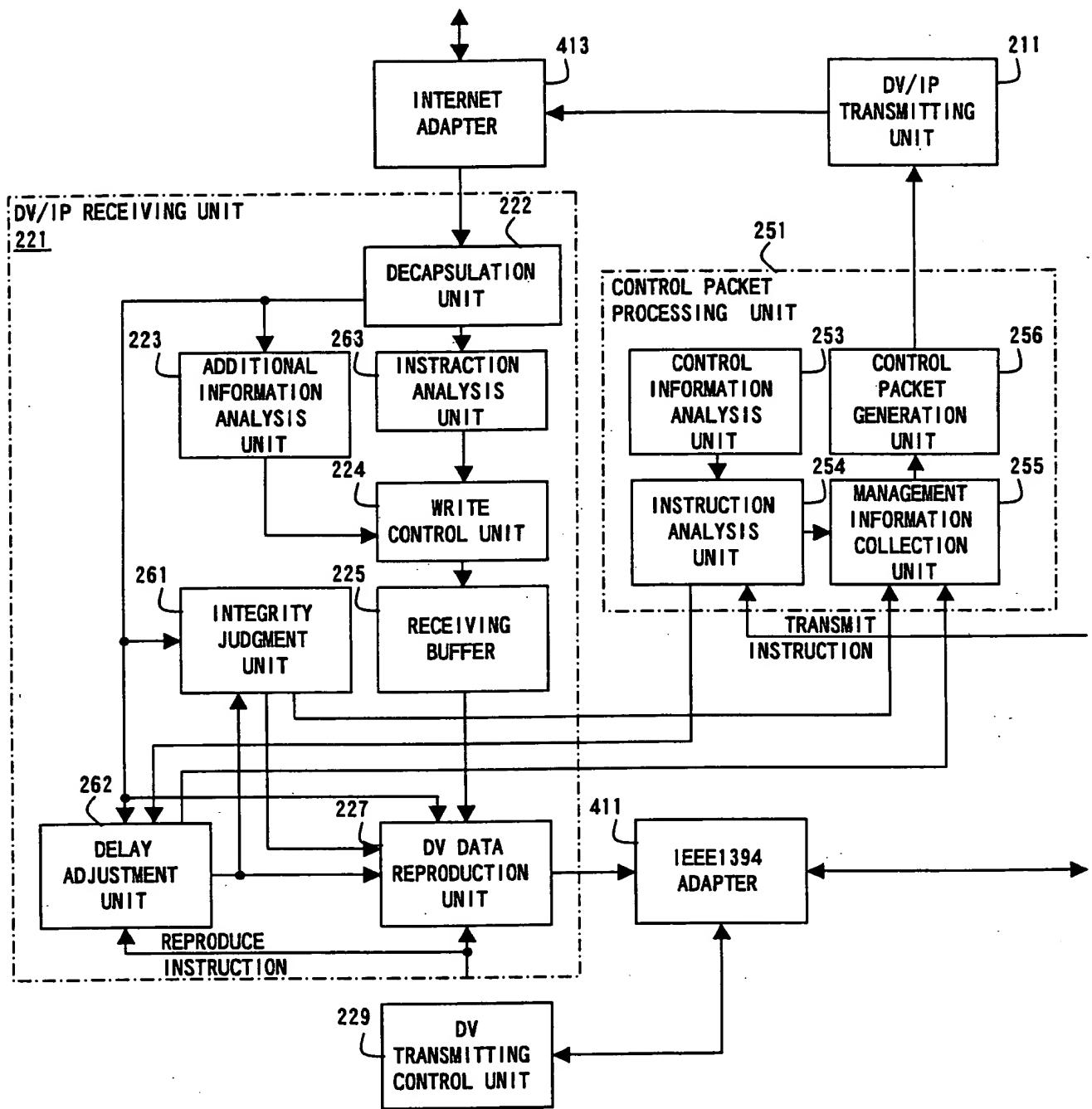


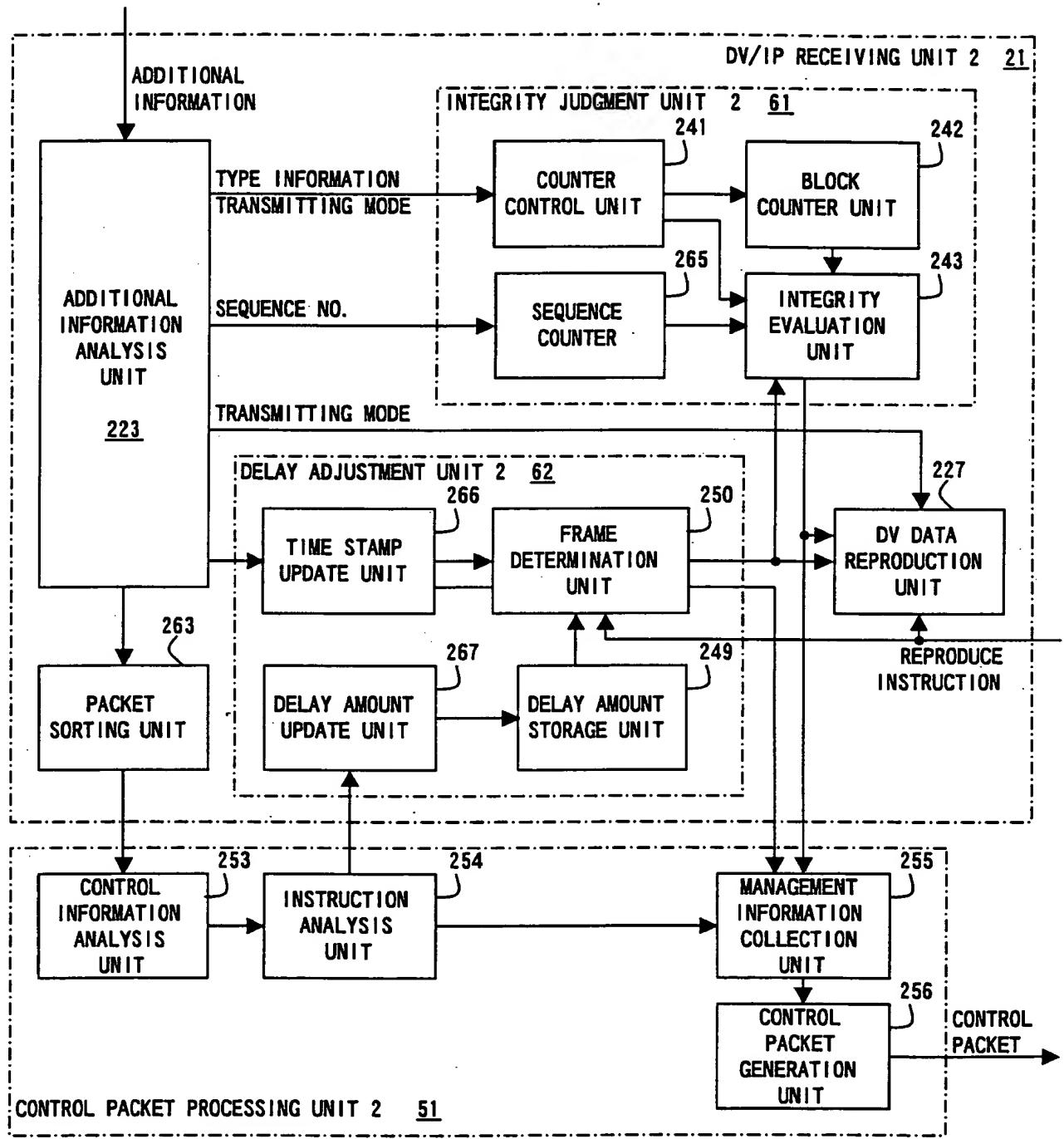
FIG. 21

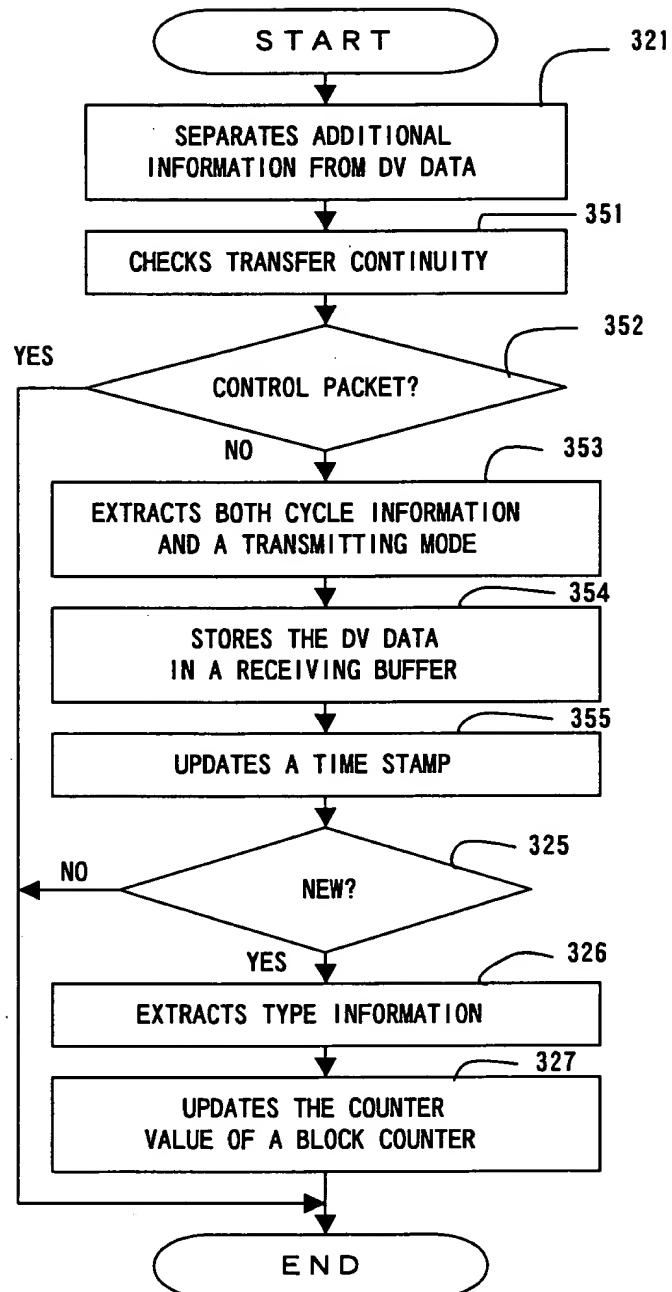


F I G. 2 2



F I G. 2 3





F I G. 25 A

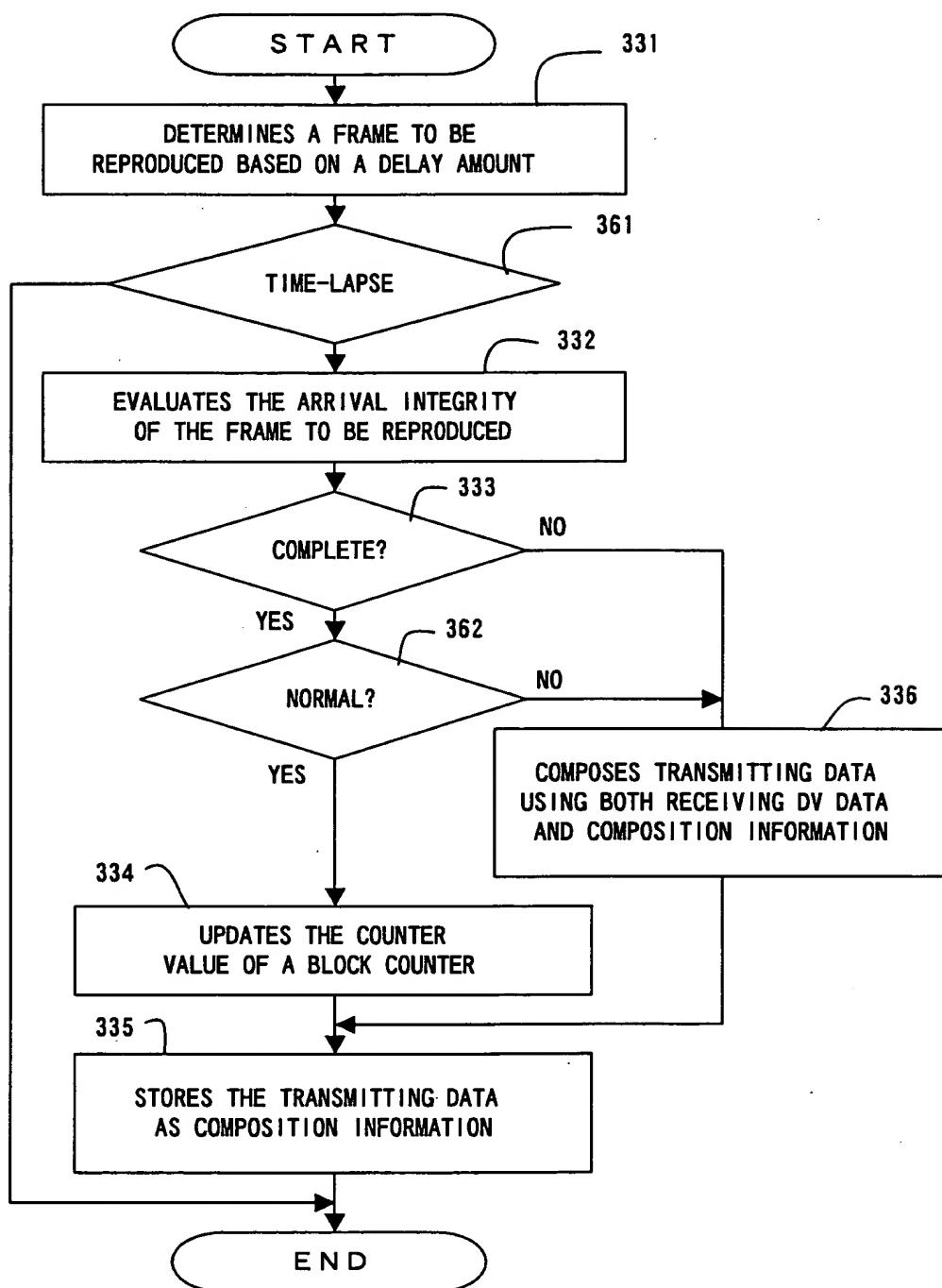


FIG. 25B

PACKET No	ONLY VOICE	ONLY PICTURE
0	FH	FH
1	a v v v v v	- v v v v v v
2	- - - - - -	v v v v v v
3	v v v v a v	v v v v v - v
⋮	⋮	⋮
249	- - - - - -	v v v v v v

FIG. 26A

PACKET No	FIRST BUFFER	SECOND BUFFER
0	FH <sub>n-1</sub>	FH <sub>n</sub>
1	a <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub>	a <sub>n</sub> - - - - -
2	v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub>	- - - - - -
3	v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> a <sub>n-1</sub> v <sub>n-1</sub>	- - - - - a <sub>n</sub> -
⋮	⋮	⋮
249	v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub>	- - - - - -

FIG. 26B

PACKET No	TRANSMITTING DATA
0	FH <sub>n-1</sub>
1	a <sub>n</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub>
2	v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub>
3	v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> a <sub>n</sub> v <sub>n-1</sub>
⋮	⋮
249	v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub> v <sub>n-1</sub>

FIG. 26C

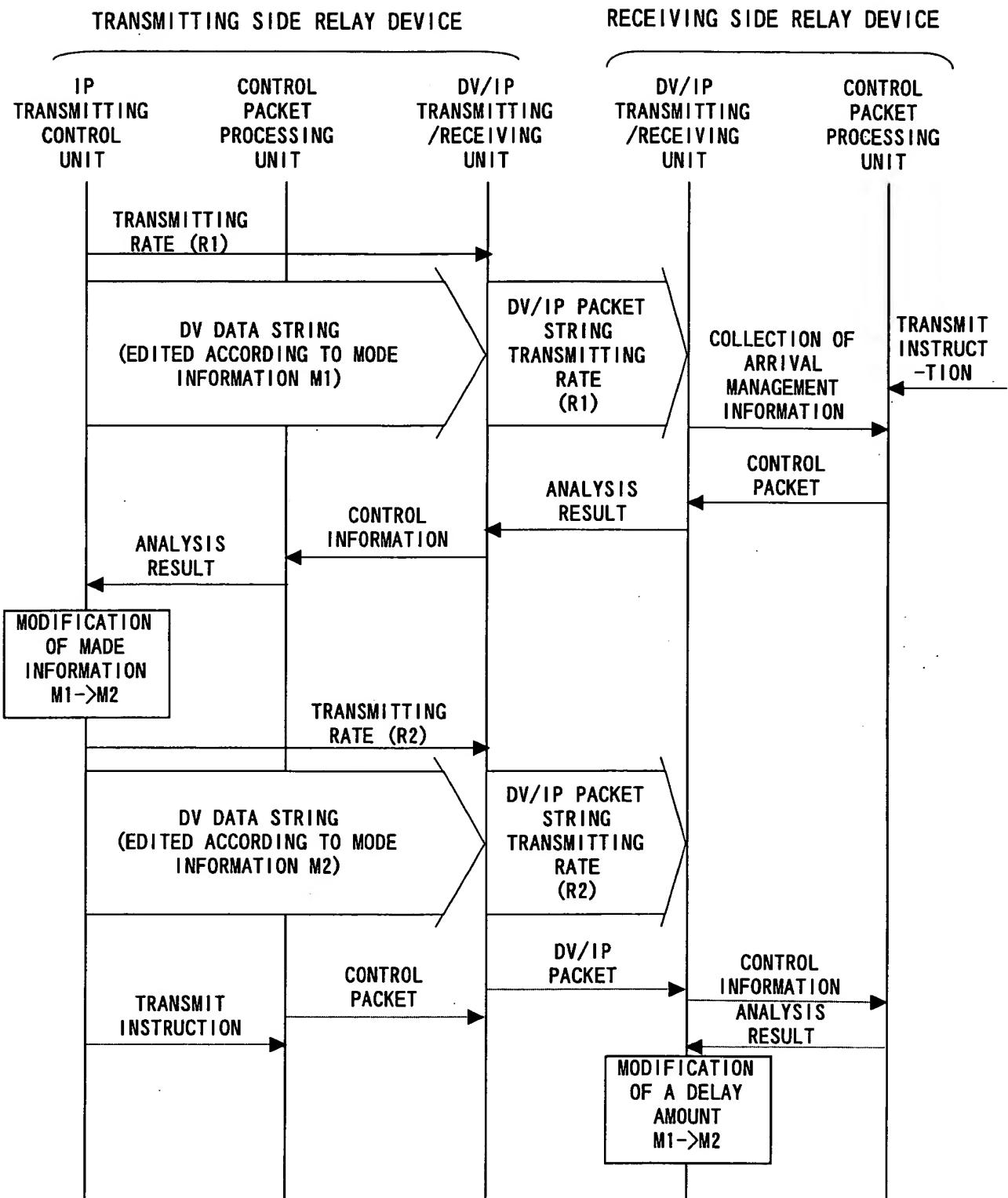
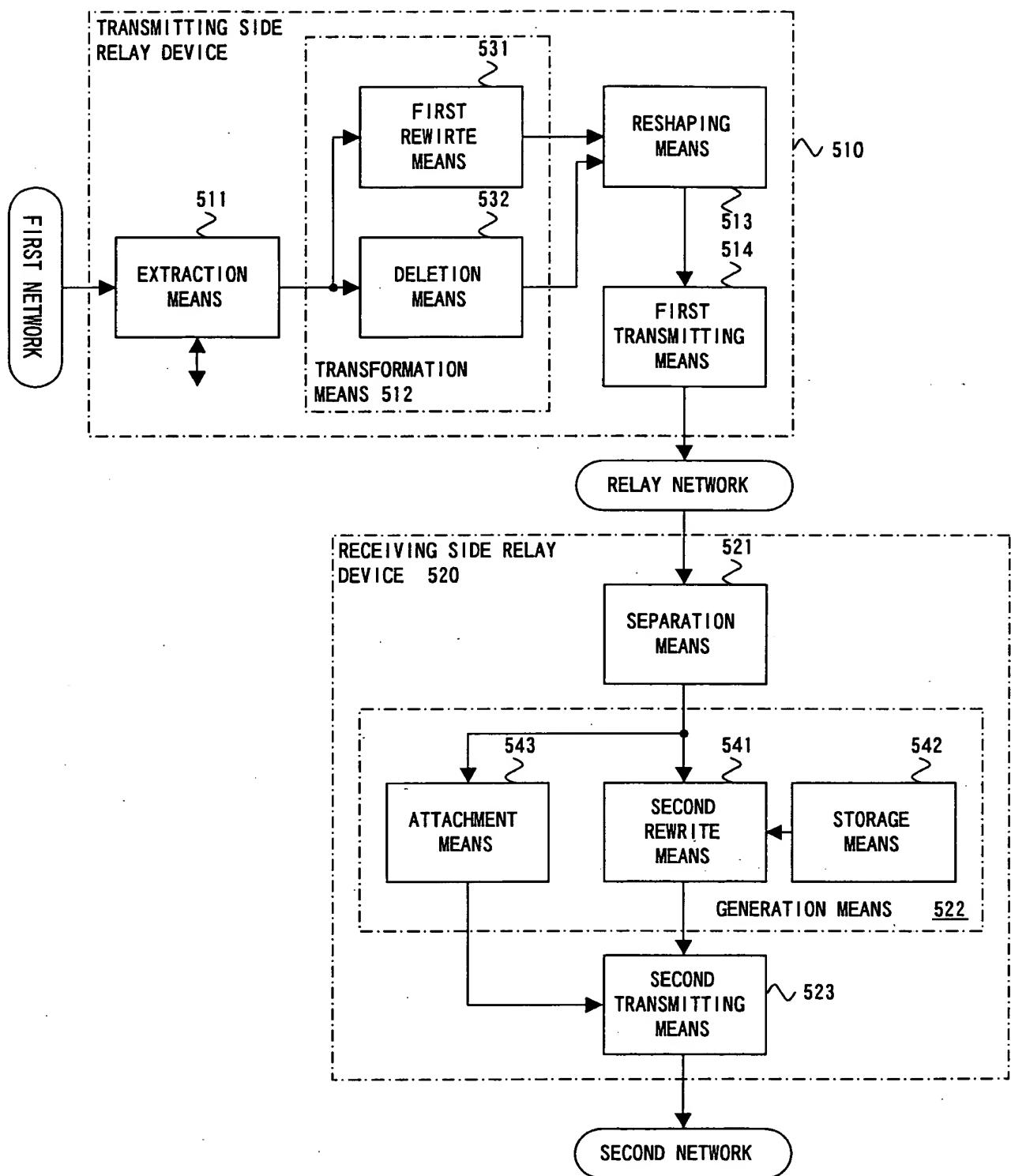
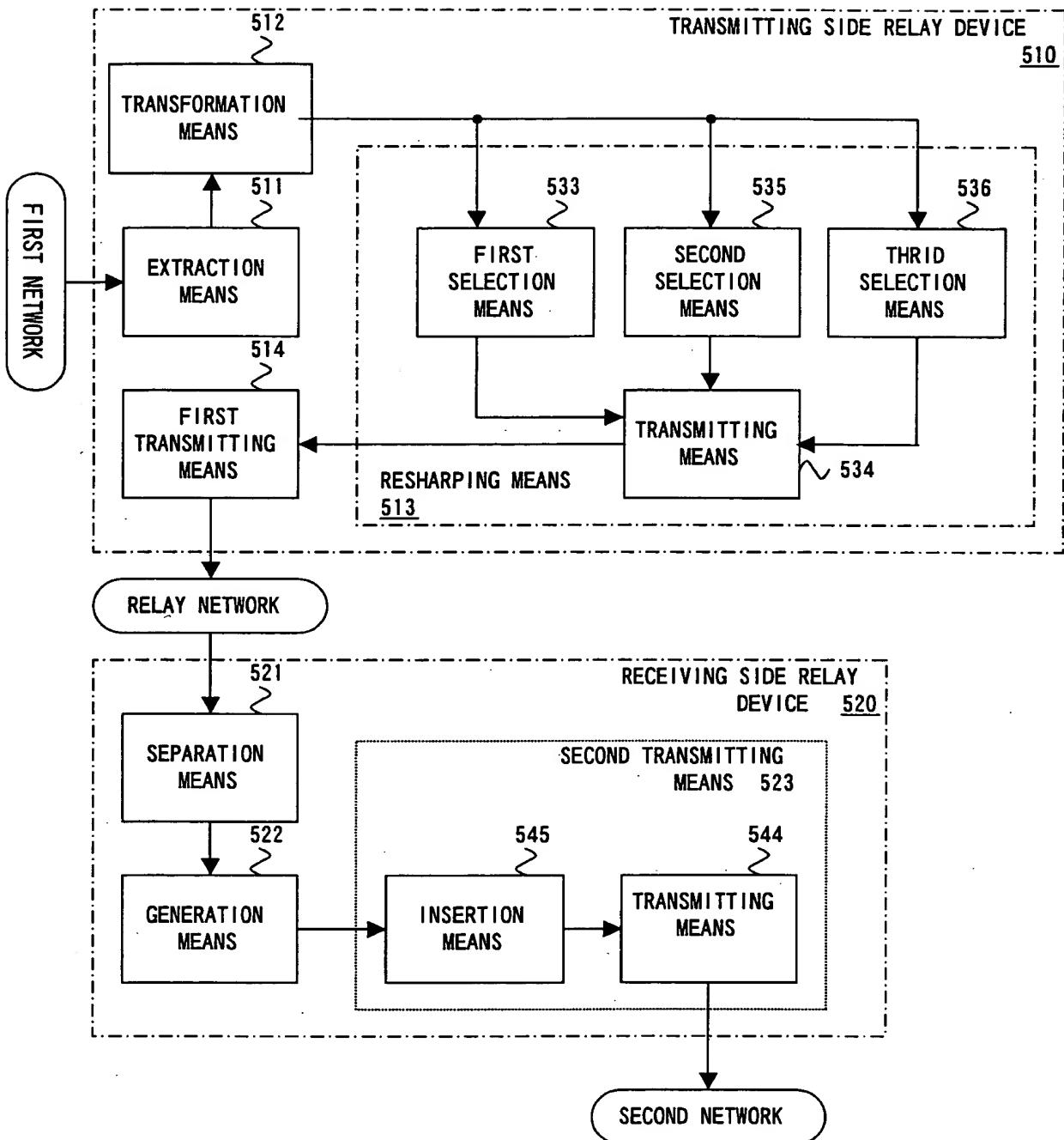


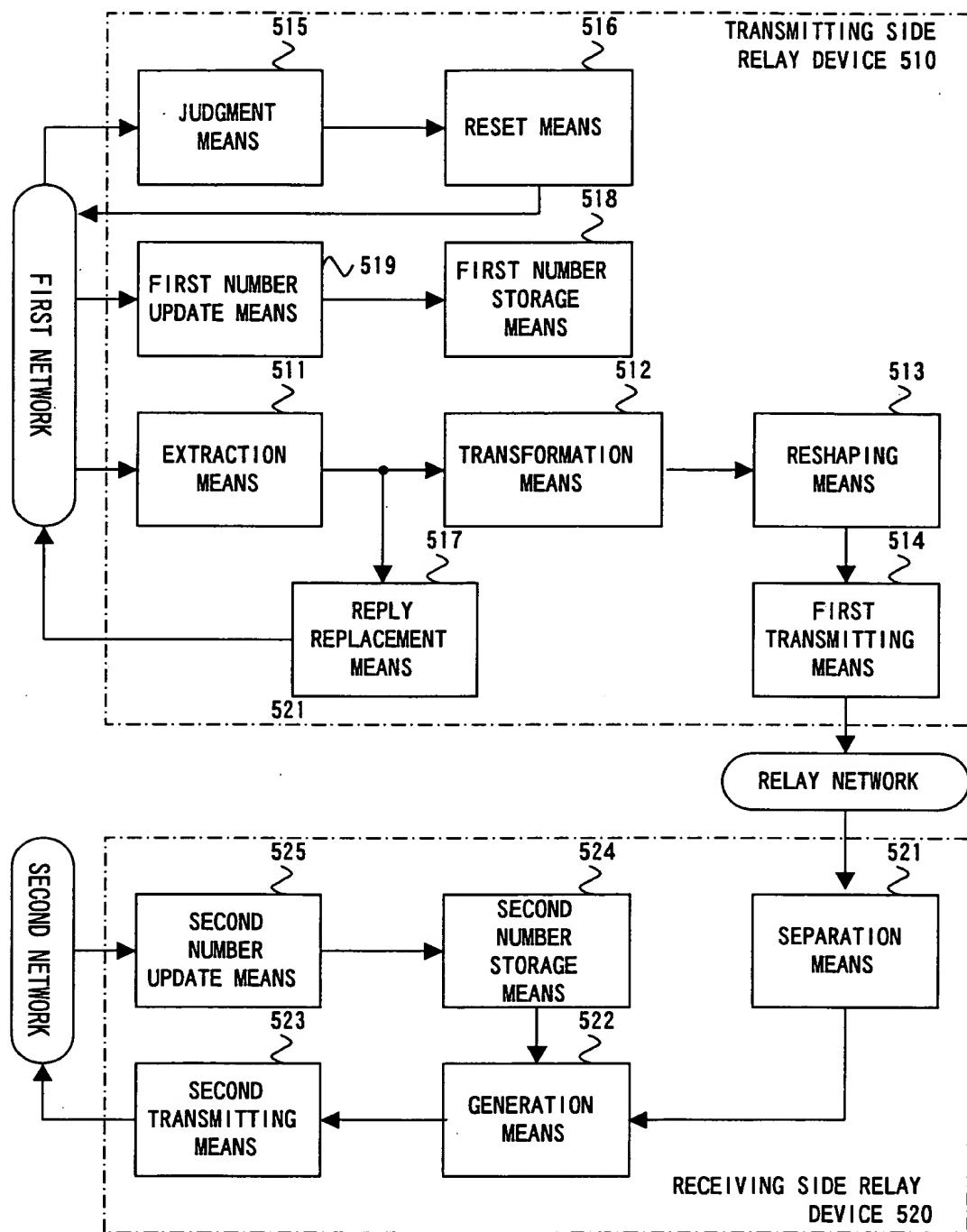
FIG. 27



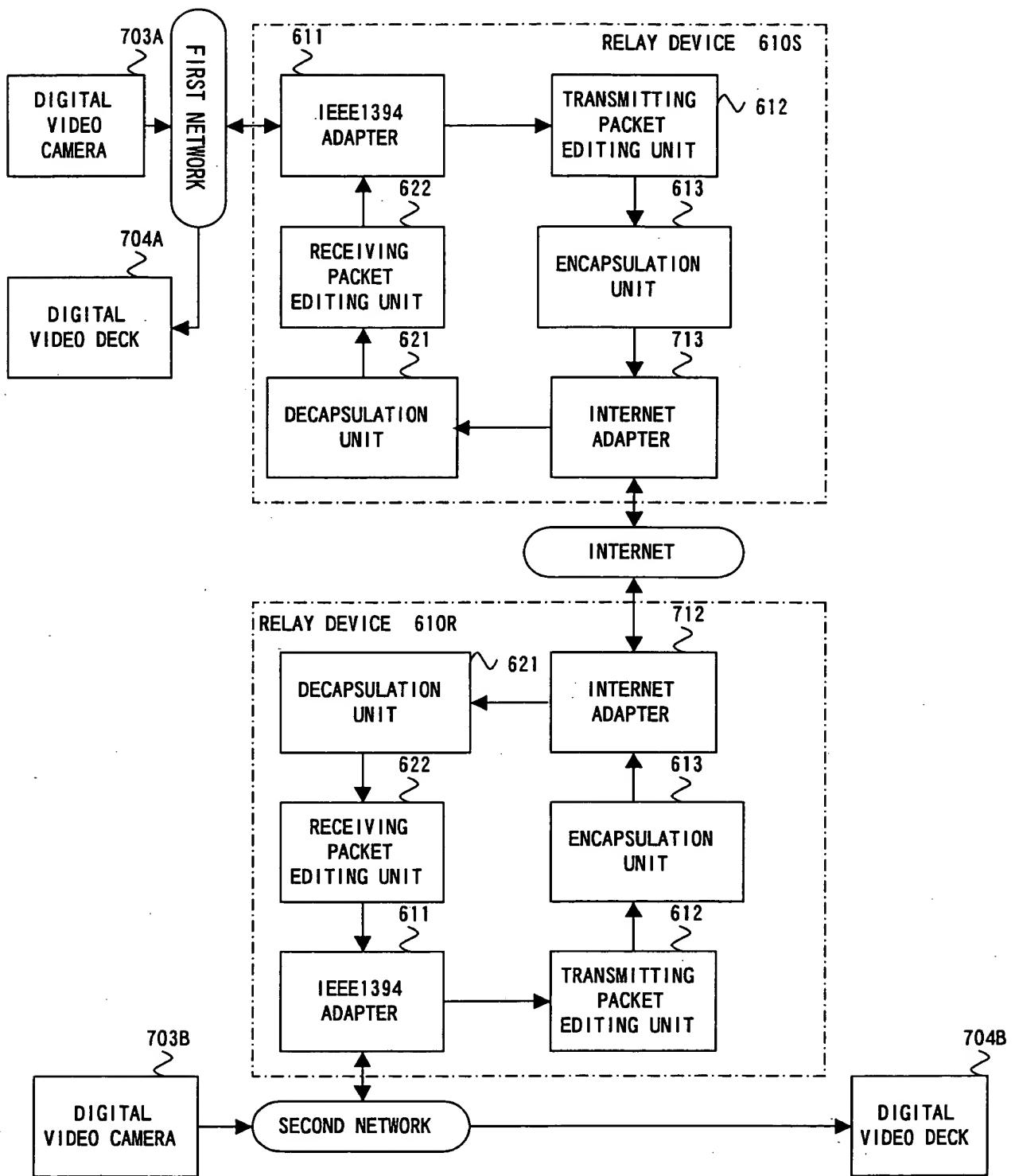
F I G. 28



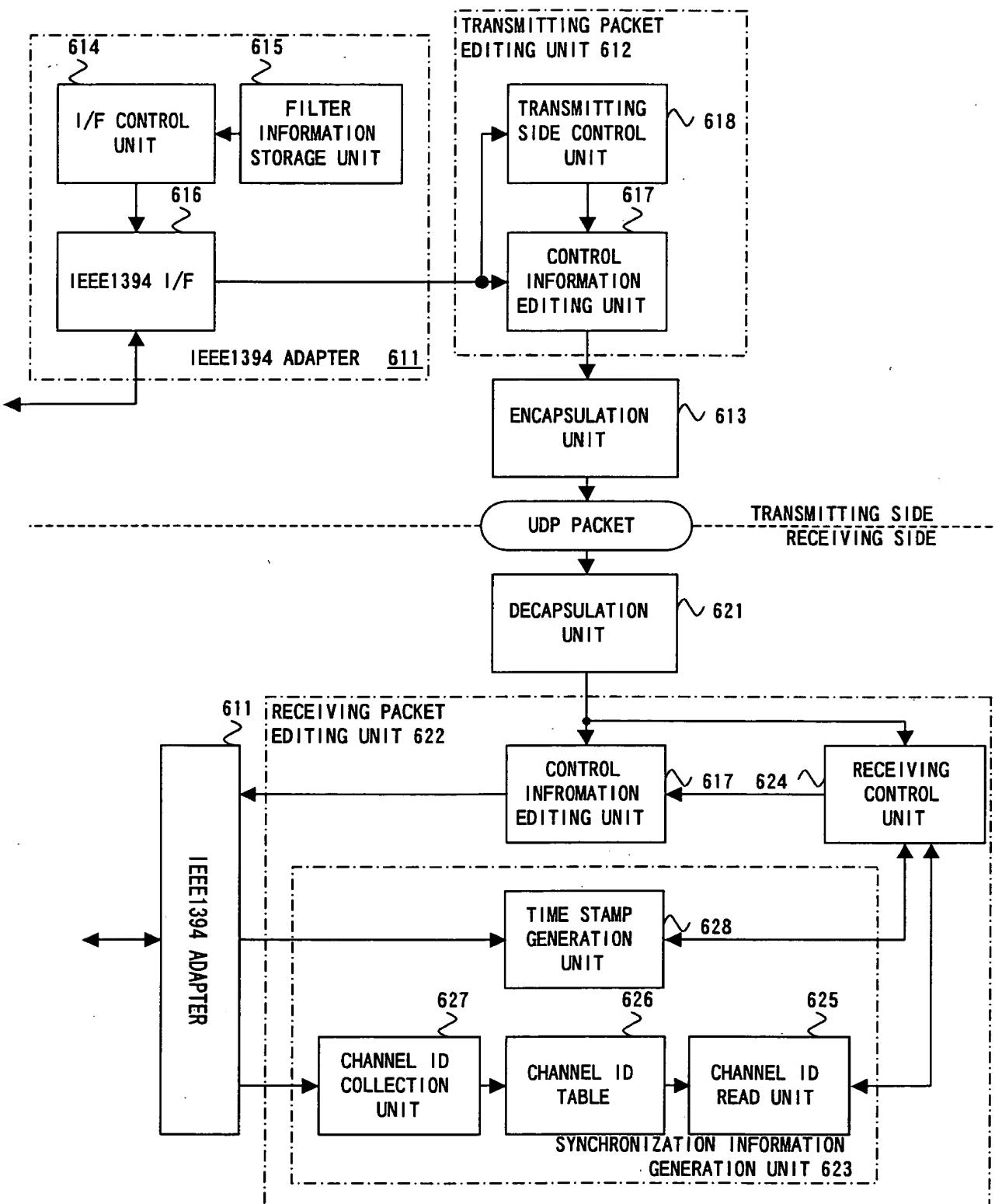
F I G. 29



F I G. 30



F I G. 31



F I G. 3 2

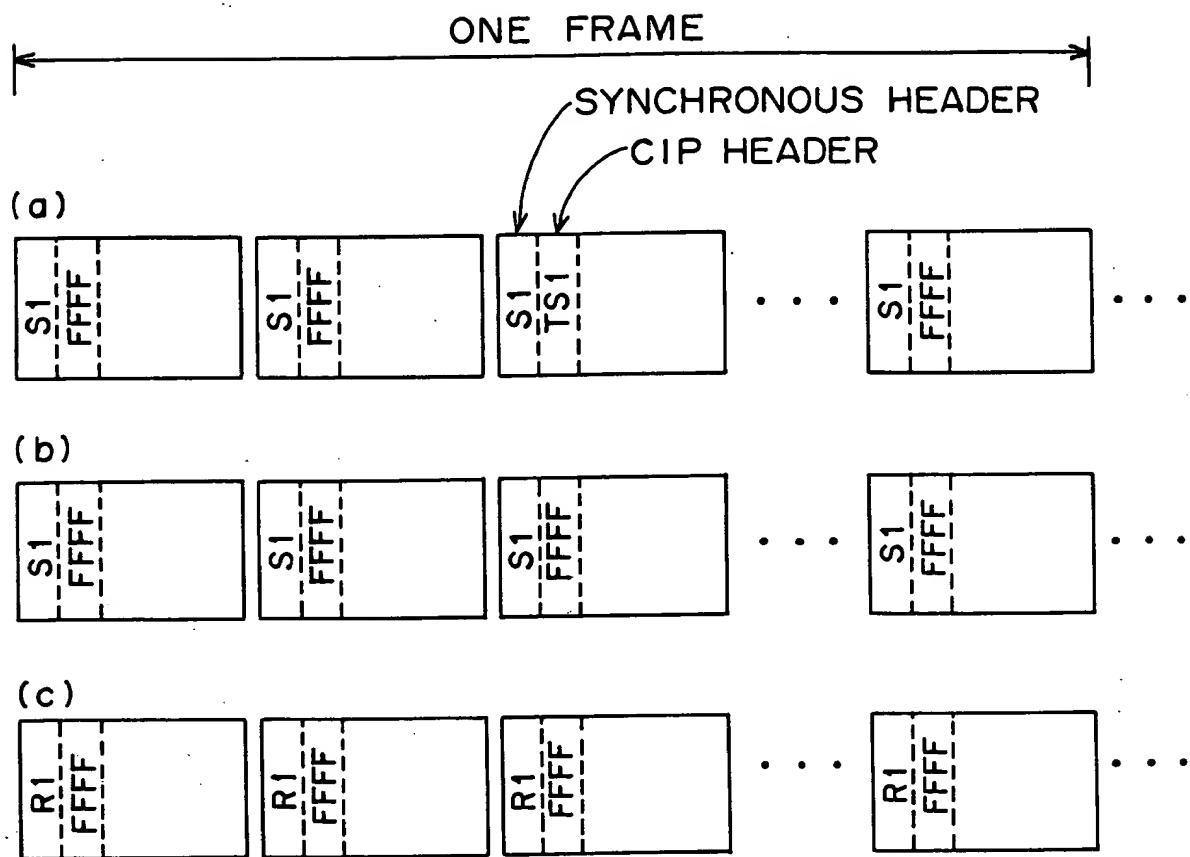


FIG. 33

TRANSMITTING SIDE CHANNEL ID	RECEIVING SIDE CHANNEL ID
S 1	R 1
.	.
.	.
.	.

FIG. 34A

TRANSMITTING SIDE CHANNEL ID	NETWORK ADDRESS	RECEIVING SIDE CHANNEL ID
S 1	N 1	R 1
S 1	N 2	R 2
S 2	N 1	R 3
.	.	.
.	.	.
.	.	.

FIG. 34B

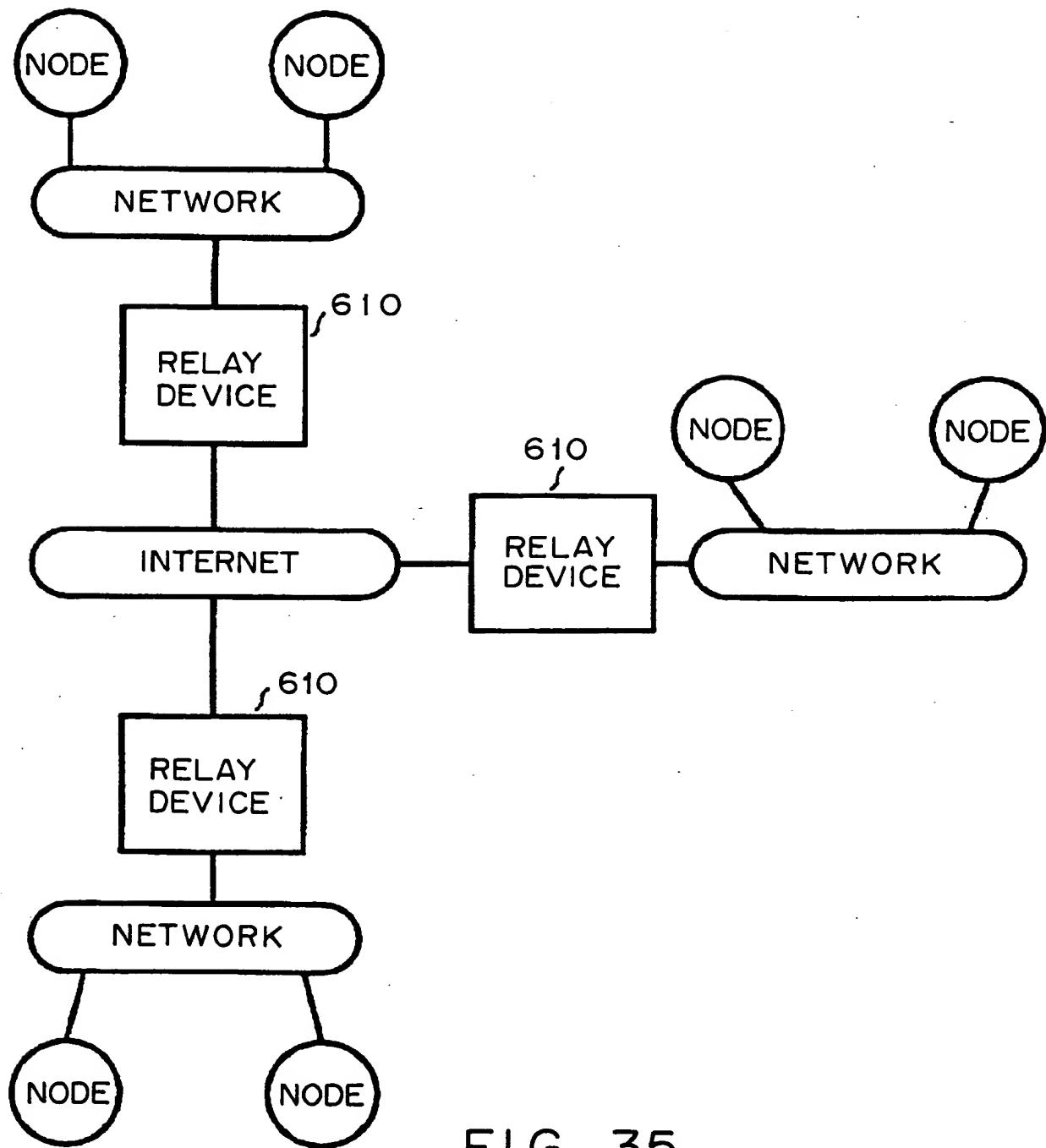
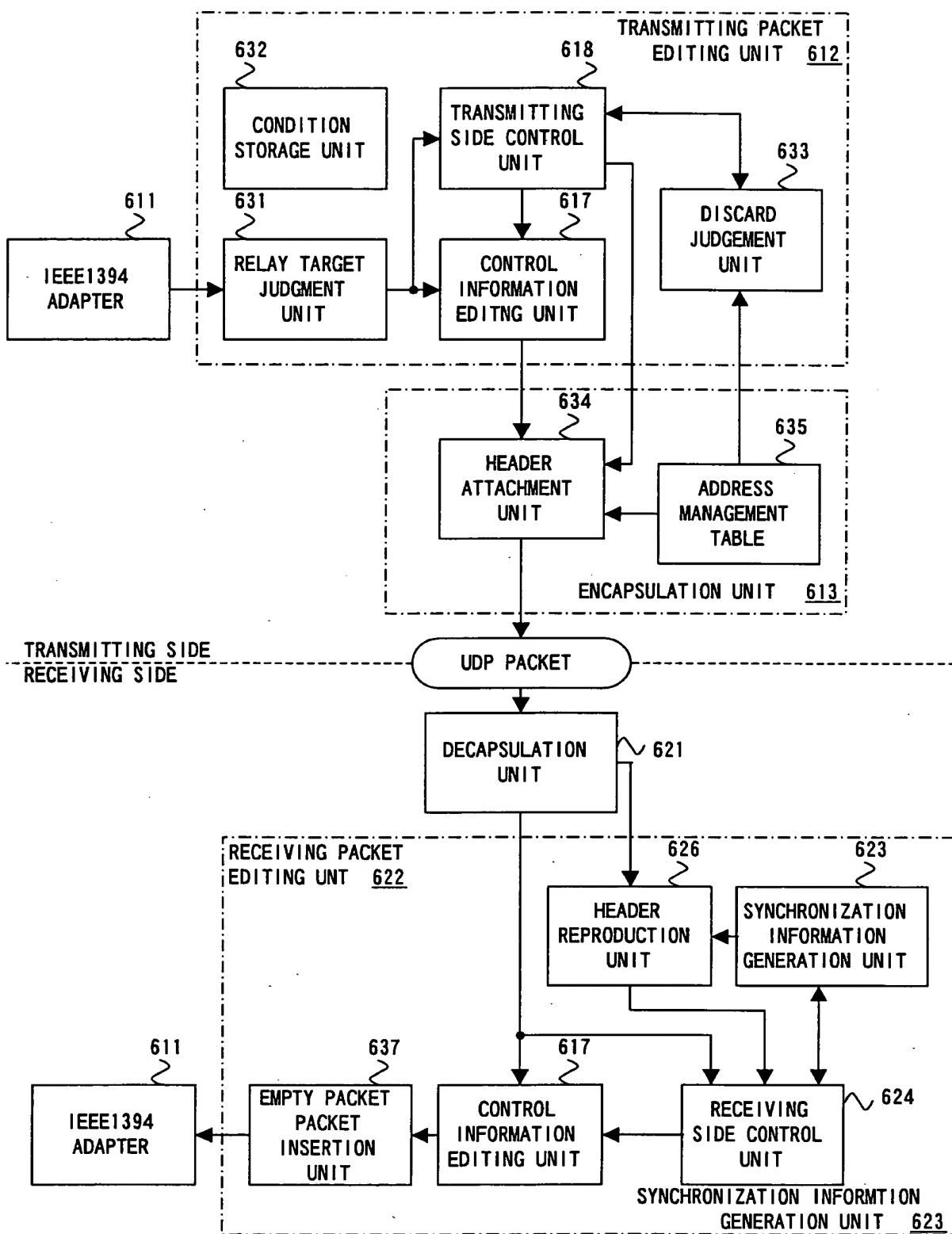


FIG. 35



F I G . 3 6

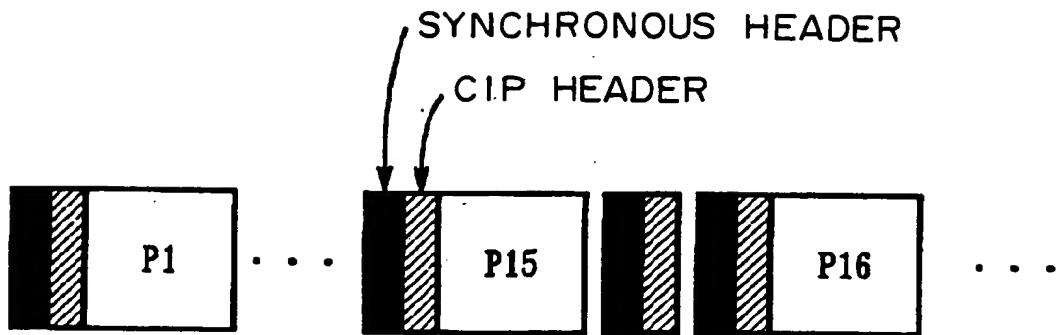


FIG. 37A

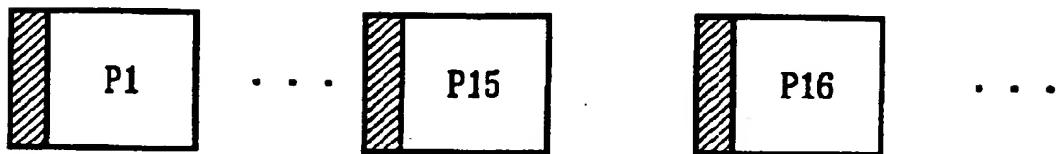


FIG. 37B

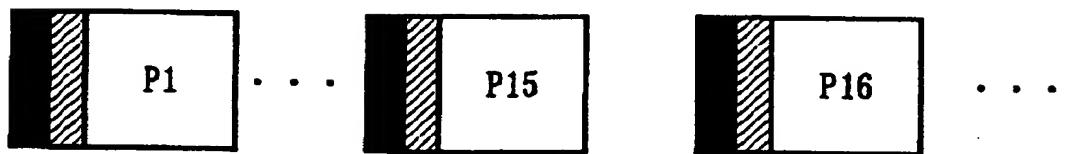


FIG. 37C

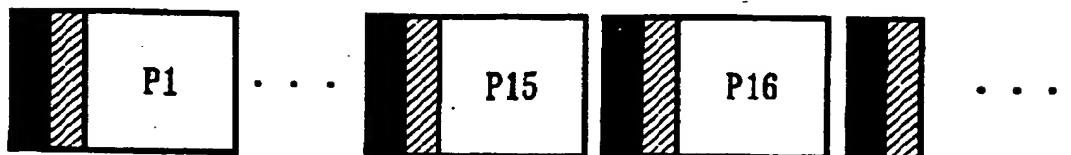
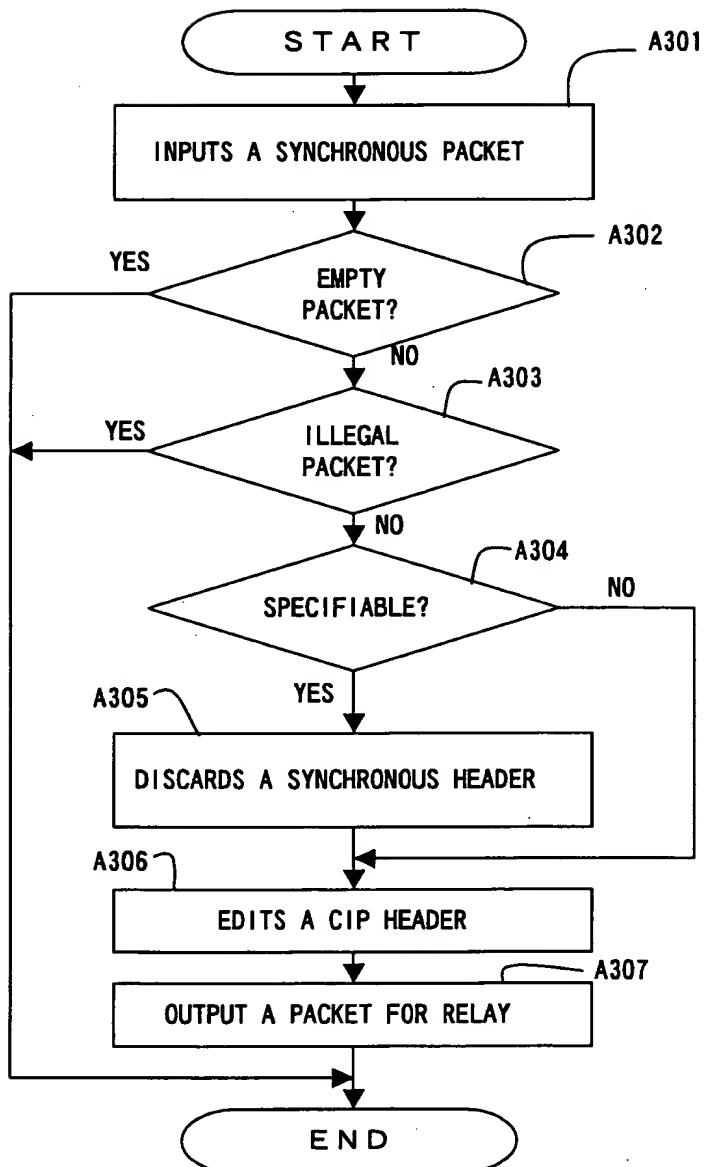


FIG. 37D



F I G. 3 8

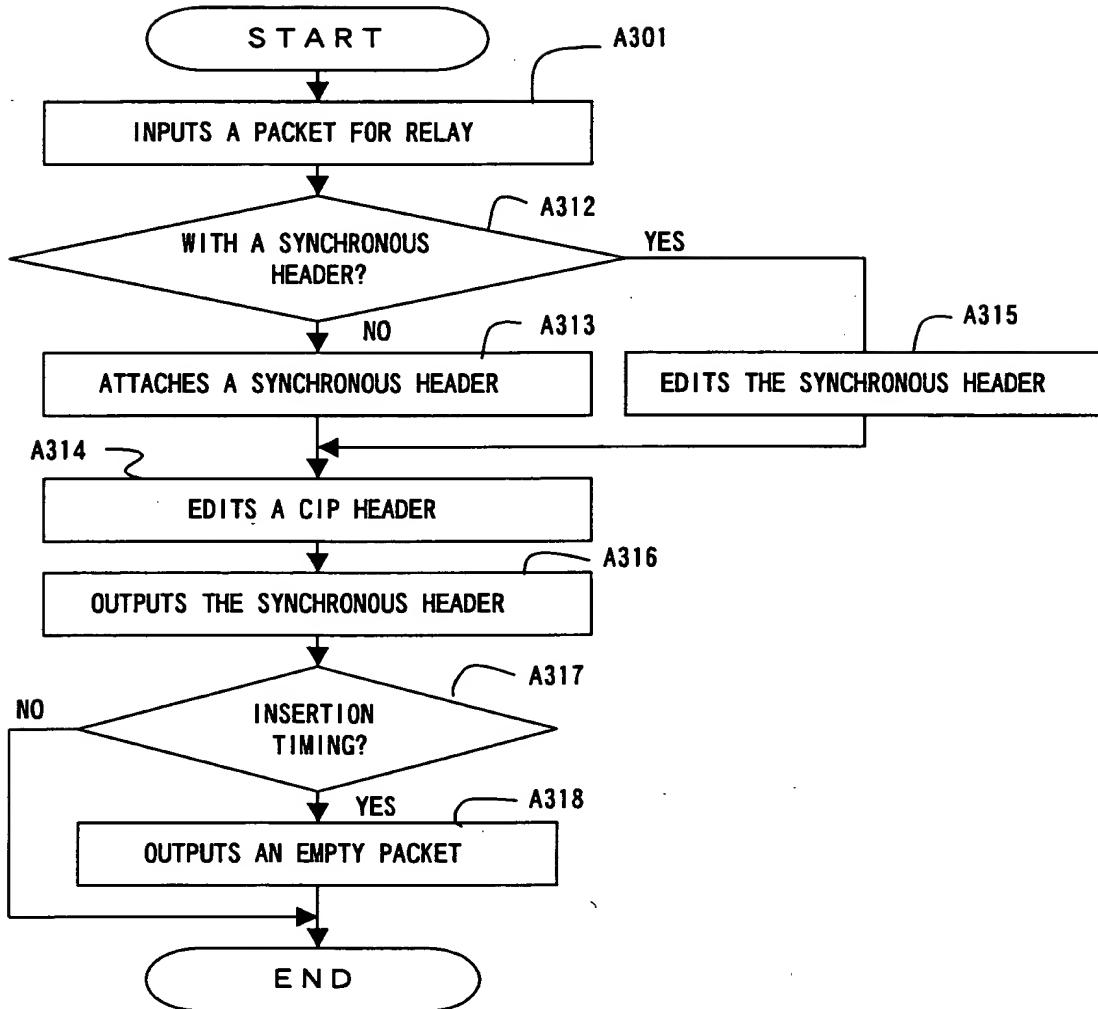


FIG. 39

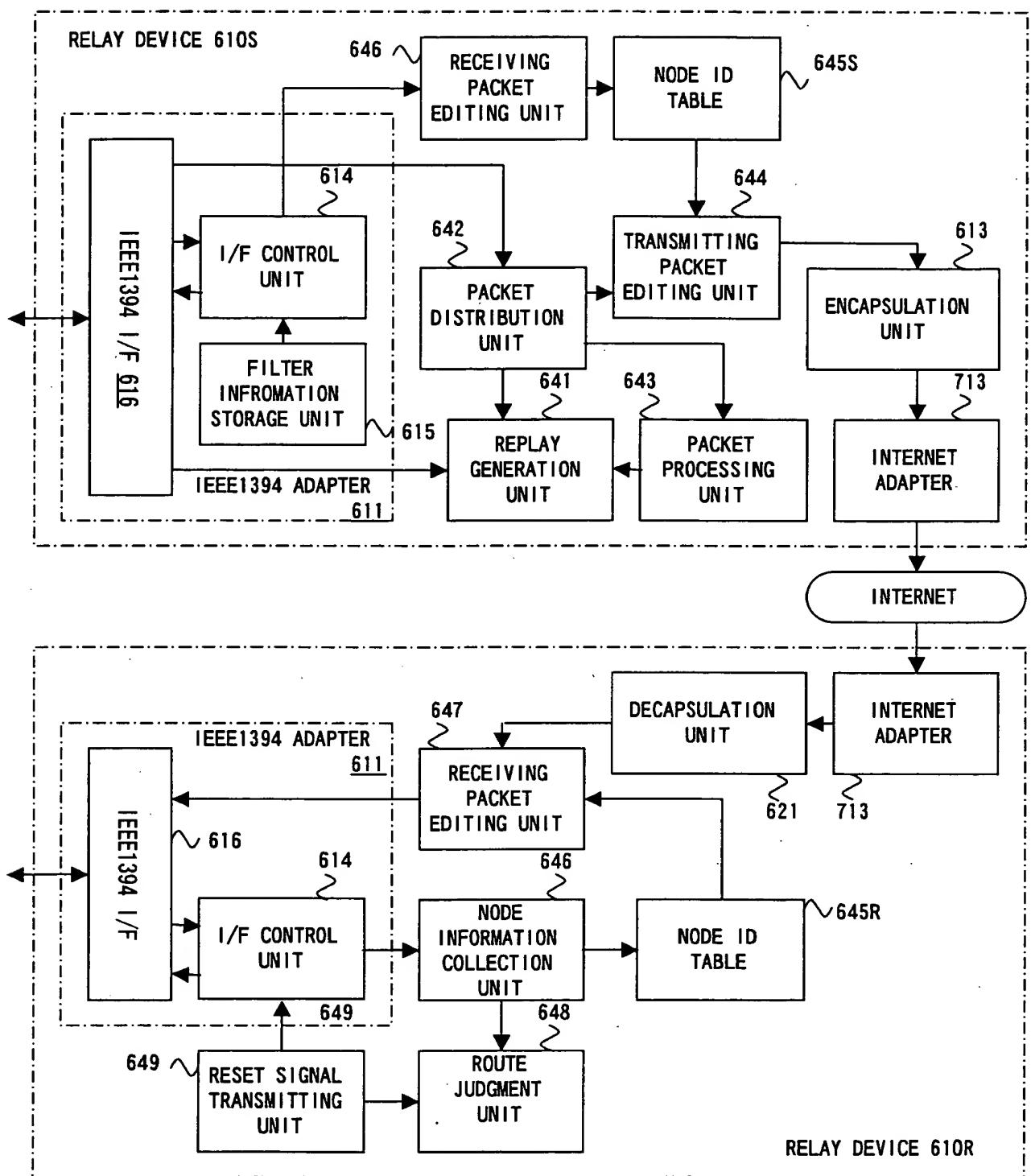


FIG. 40

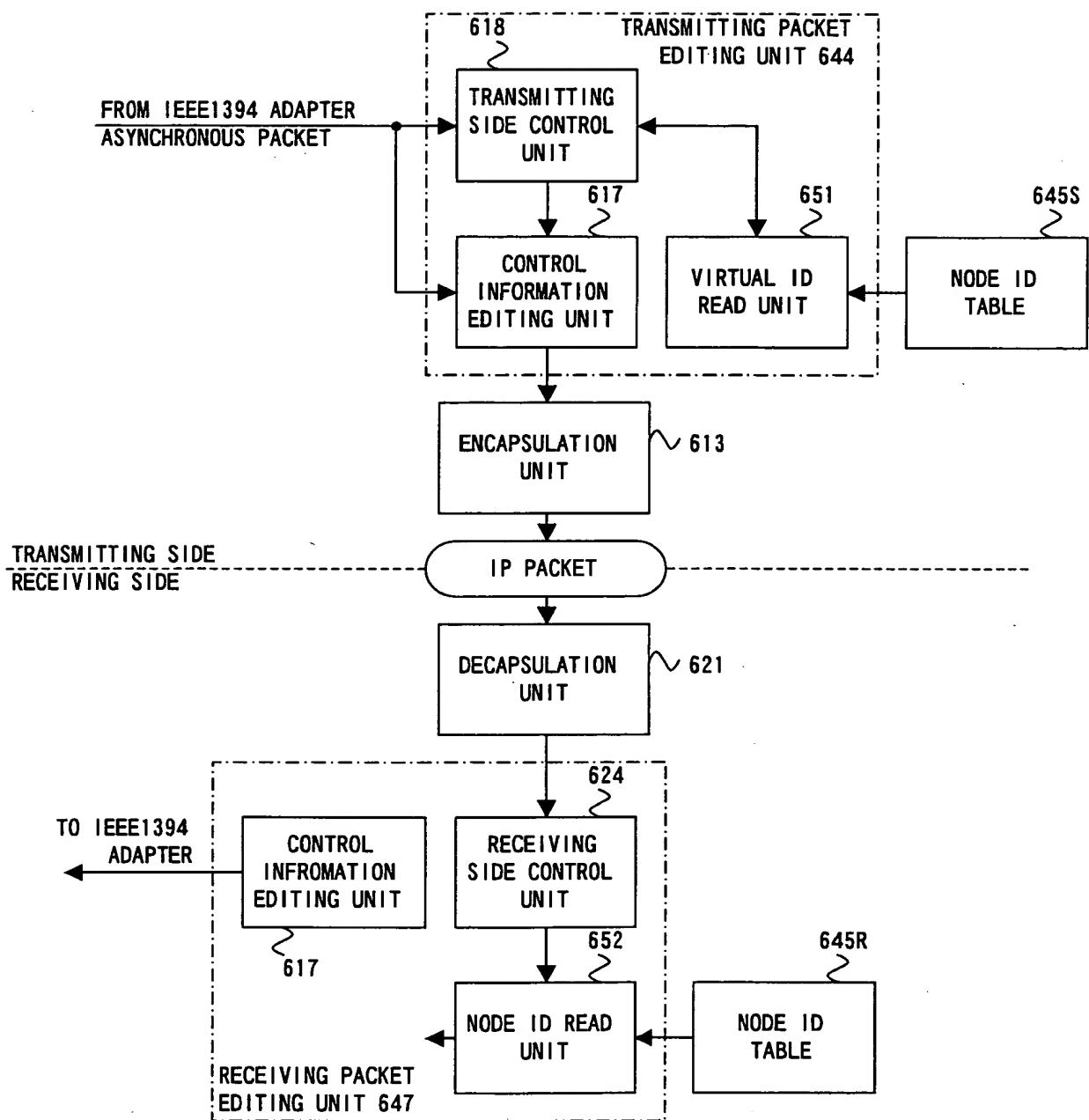


FIG. 41

FIG. 42A

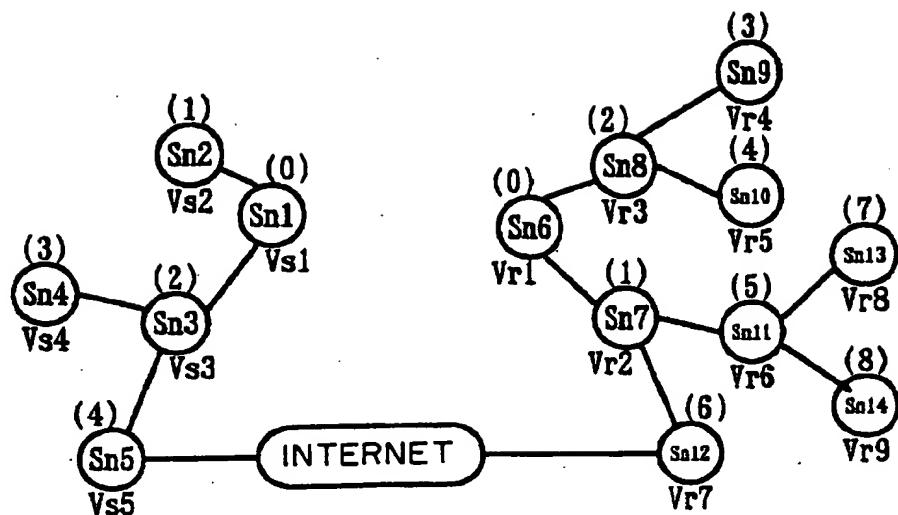


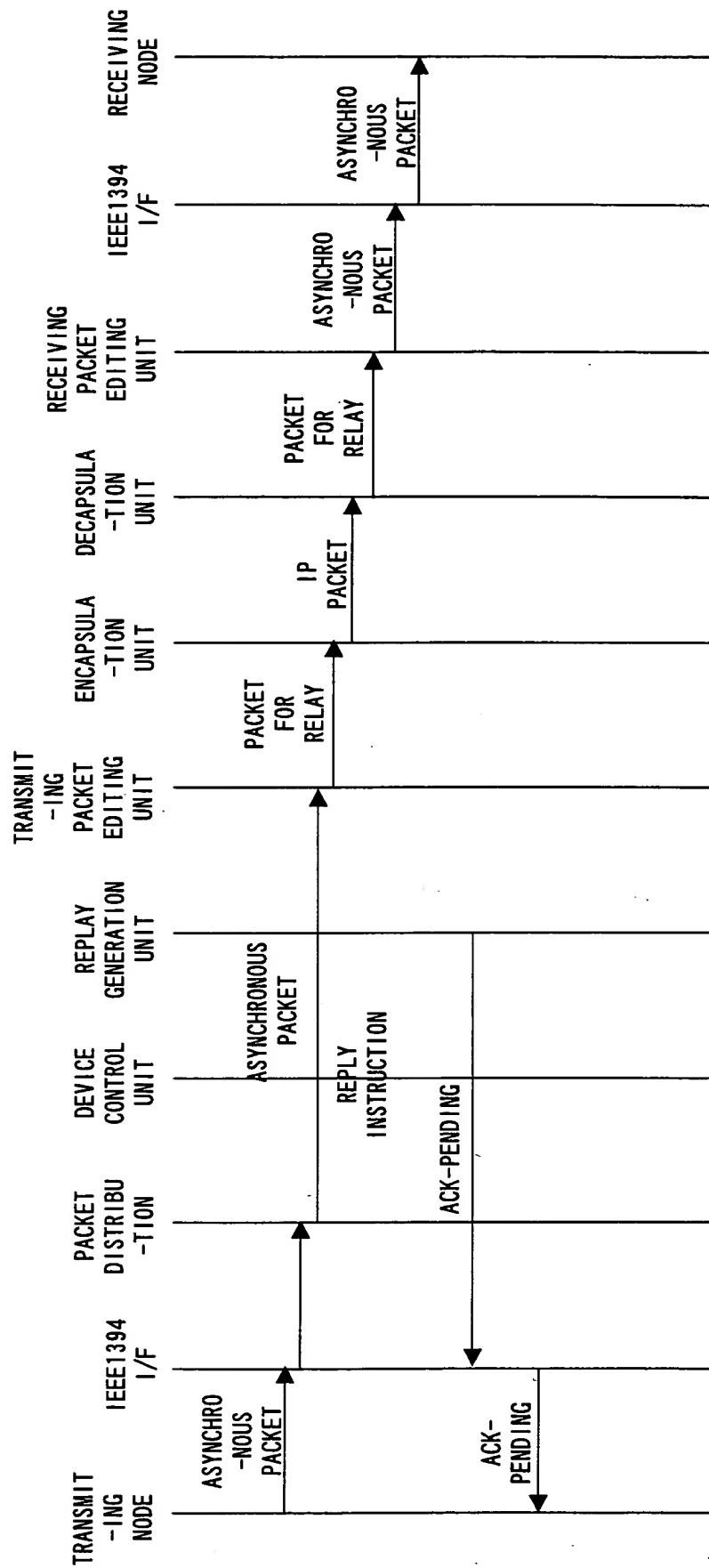
FIG. 42B

SERIAL No.	VIRTUAL ID	NODE ID
Sn 1	Vs 1	0
Sn 2	Vs 2	1
...	...	...
Sn 5	Vs 5	4

FIG. 42C

SERIAL No.	VIRTUAL ID	NODE ID
Sn 6	Vr 1	0
Sn 7	Vr 2	1
...	...	...
Sn14	Vr 9	8

RELAY DEVICE  
(TRANSMITTING SIDE FUNCTION)



RELAY DEVICE  
(RECEIVING SIDE FUNCTION)

F I G. 4 3

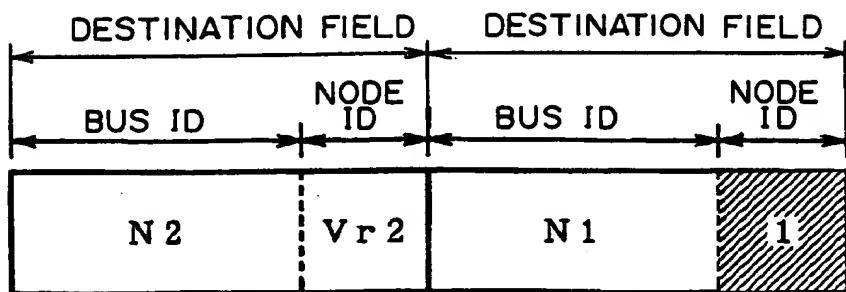


FIG. 44A

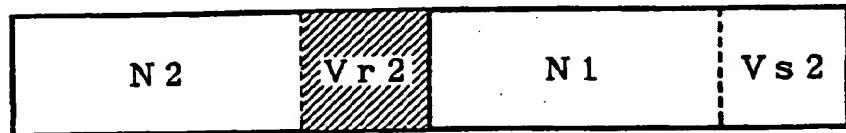


FIG. 44B

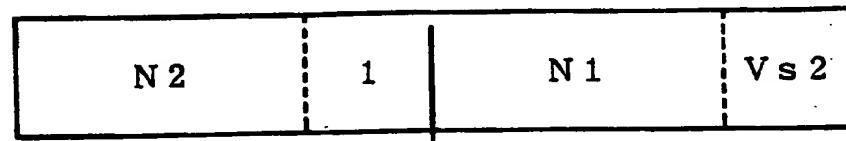
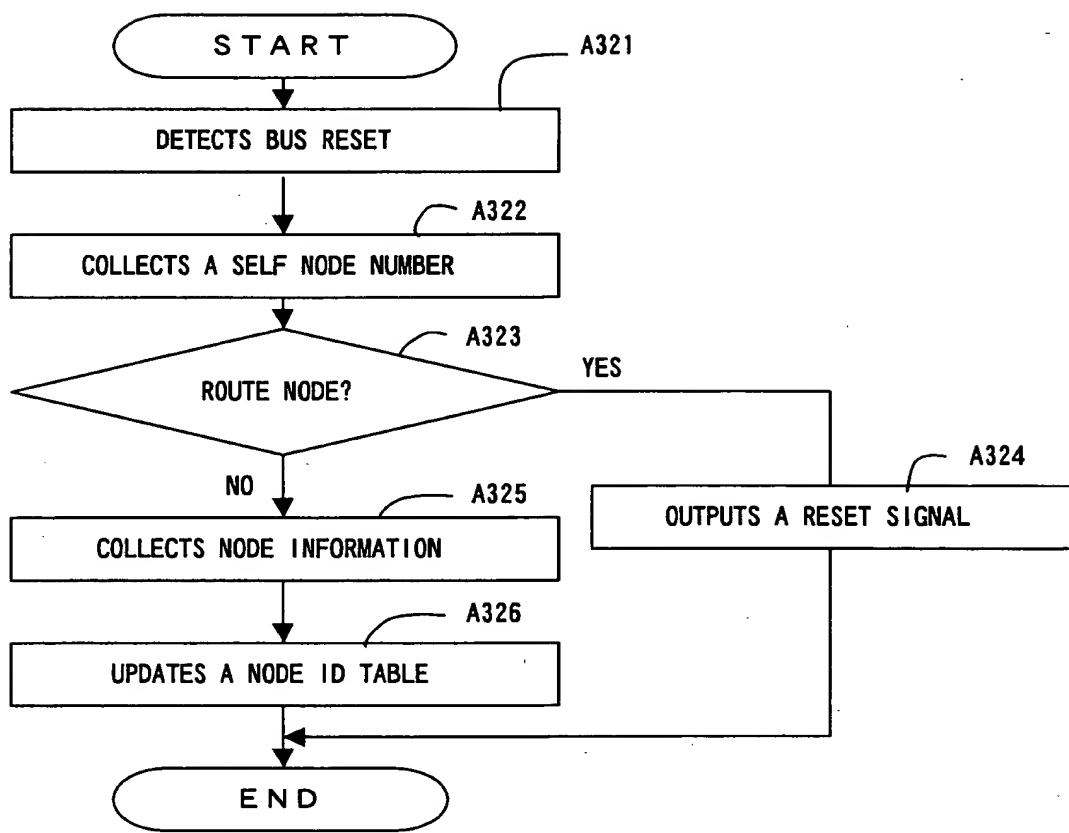


FIG. 44C



F I G. 4 5

## RELAY DEVICE

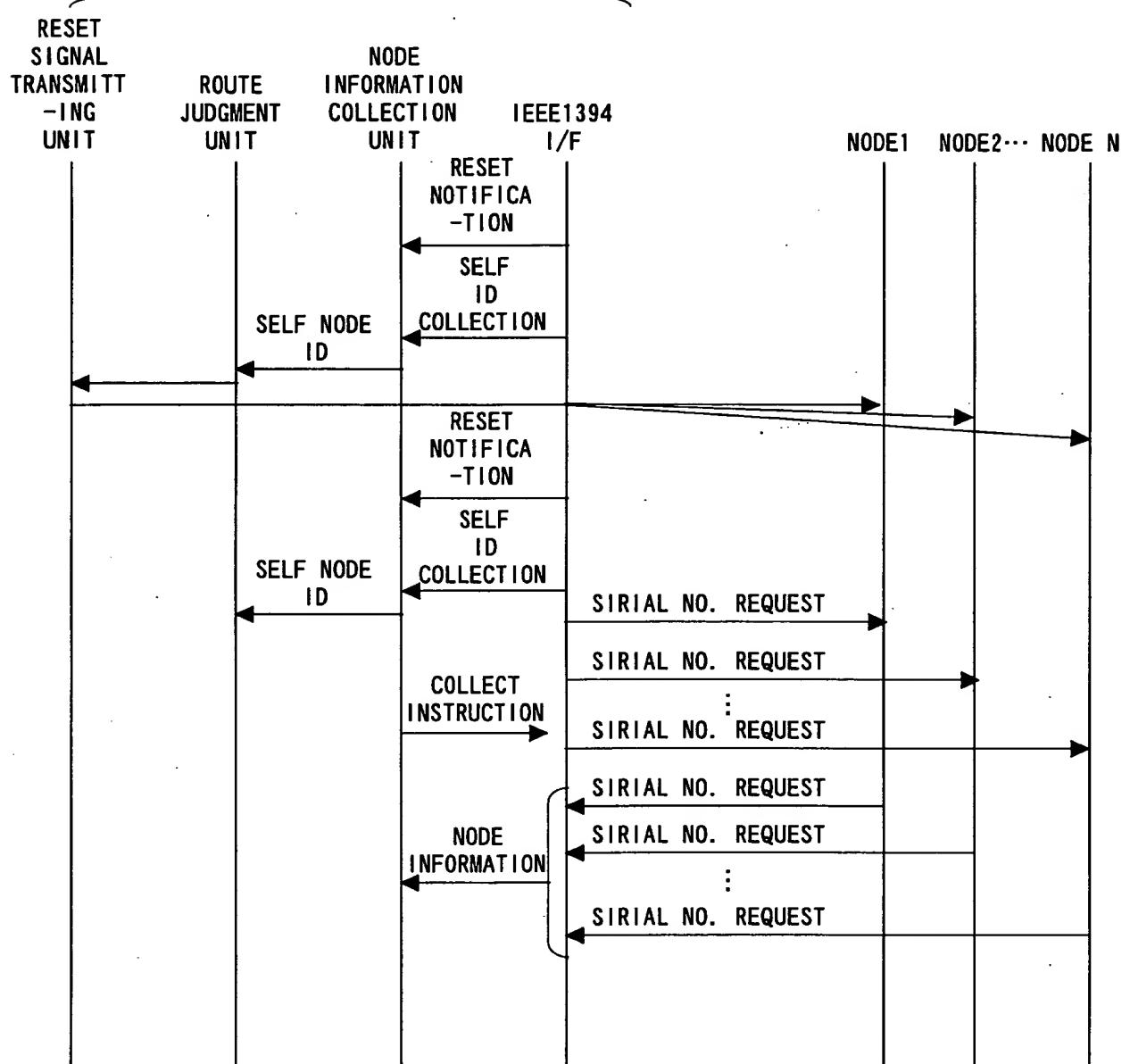
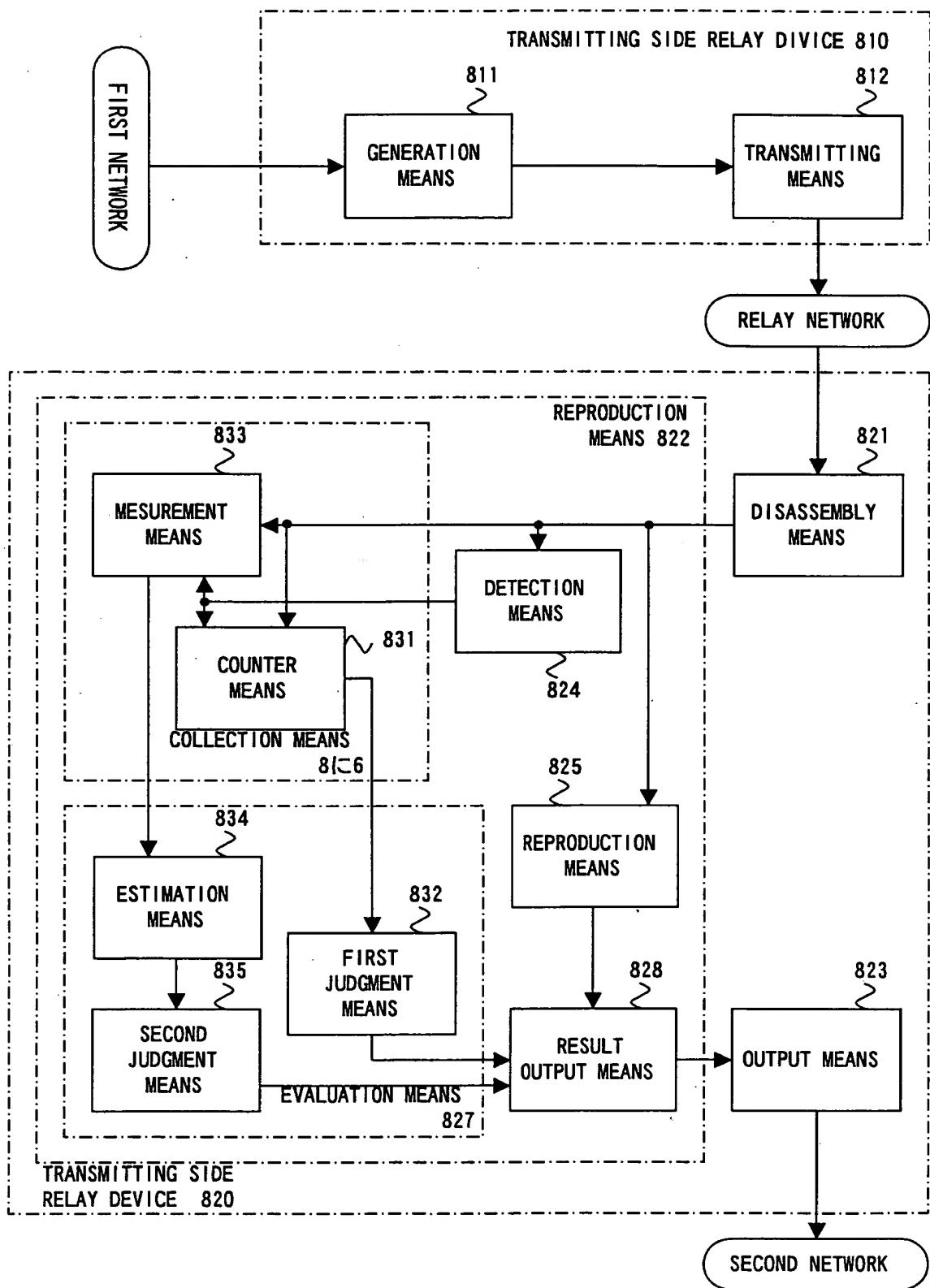
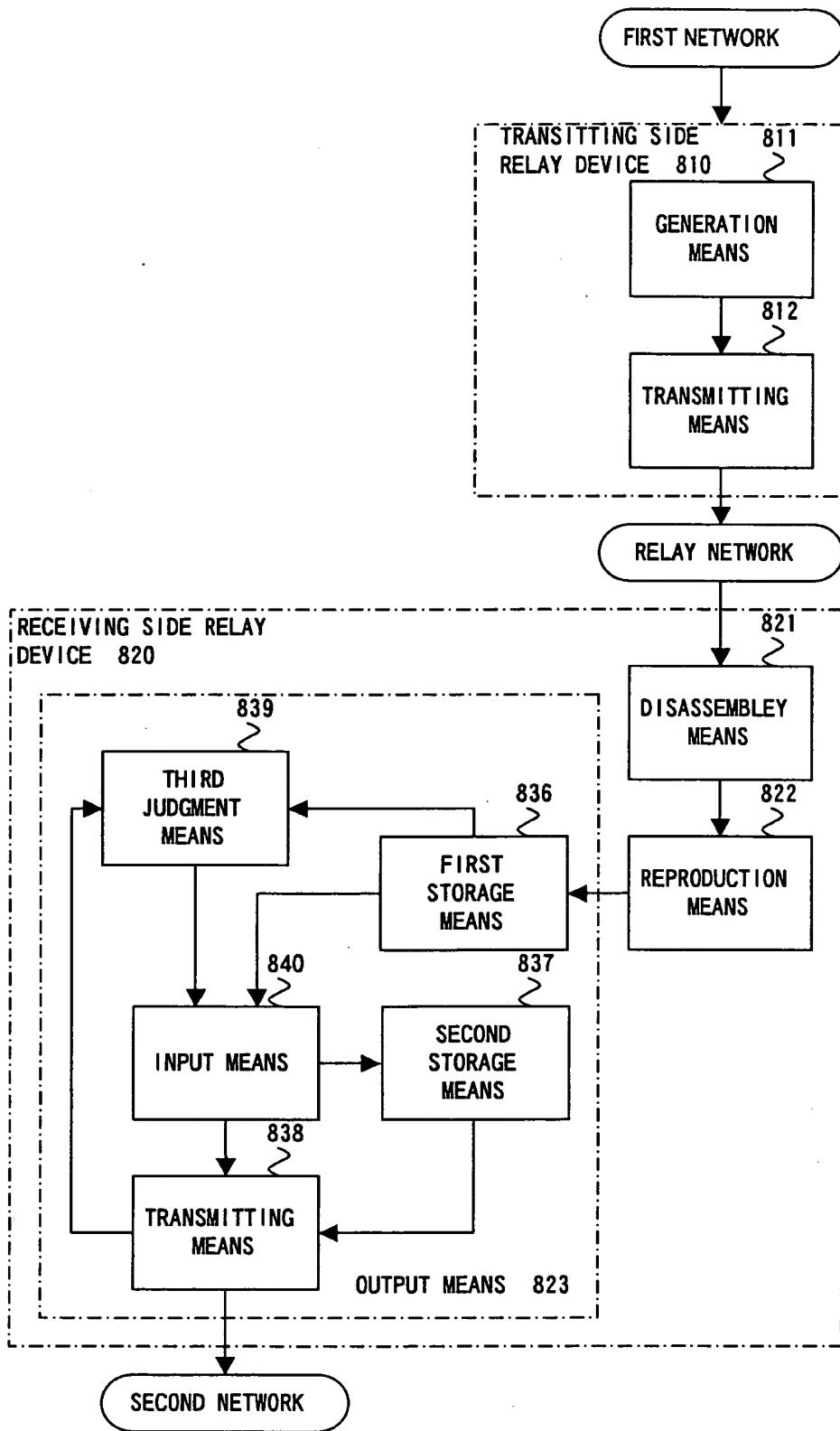


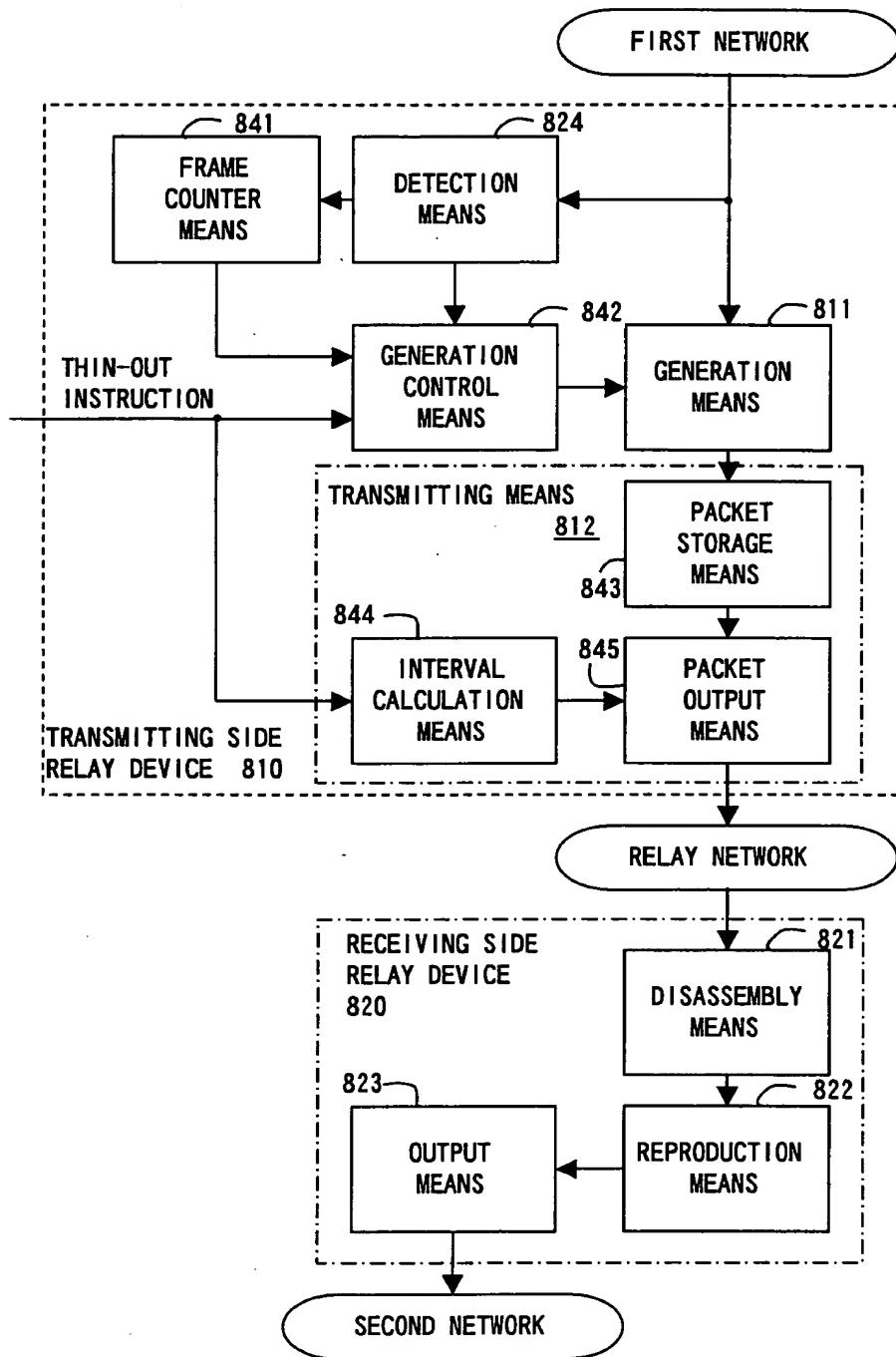
FIG. 46



F I G. 47



F I G. 4 8



F I G. 4 9

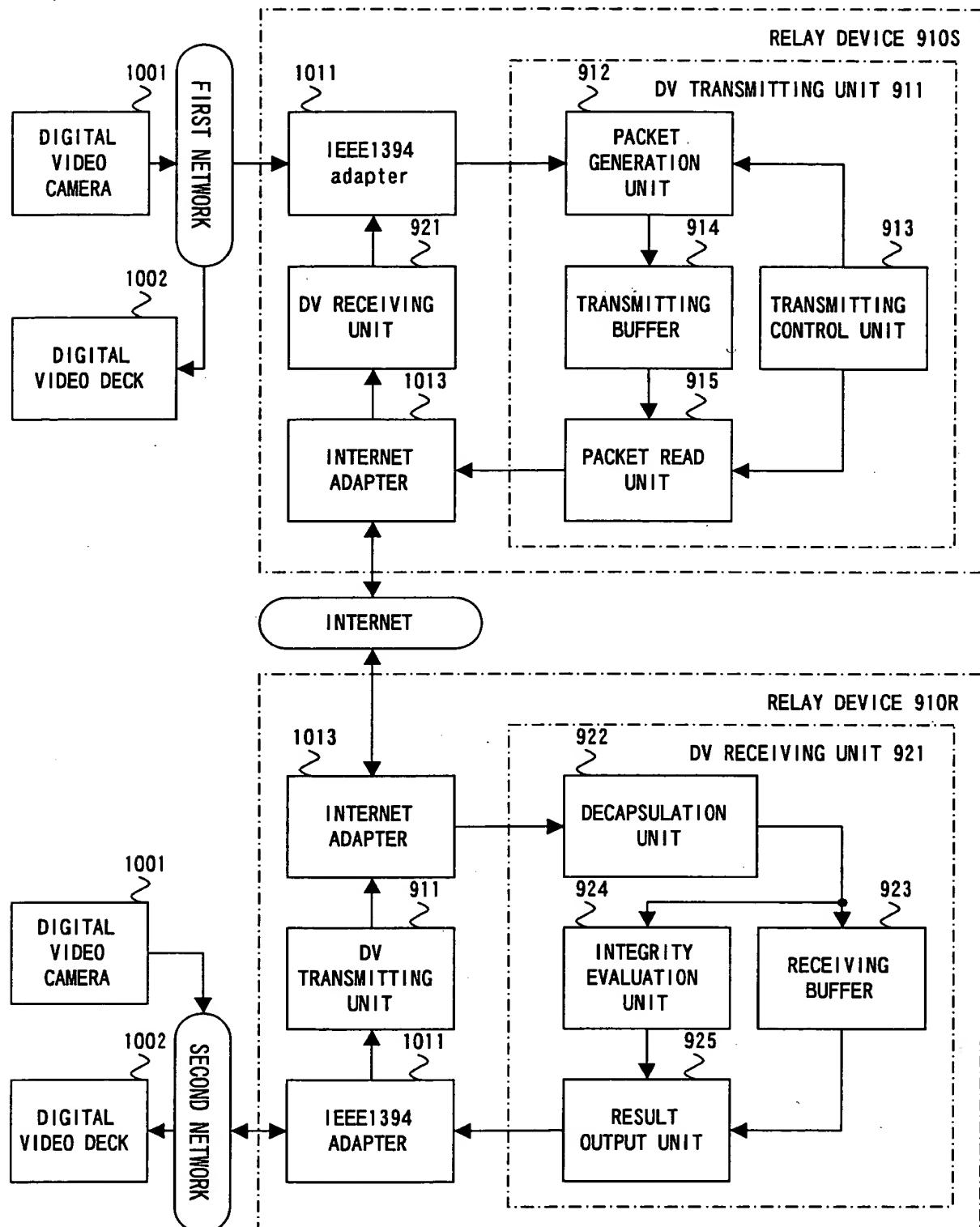


FIG. 50

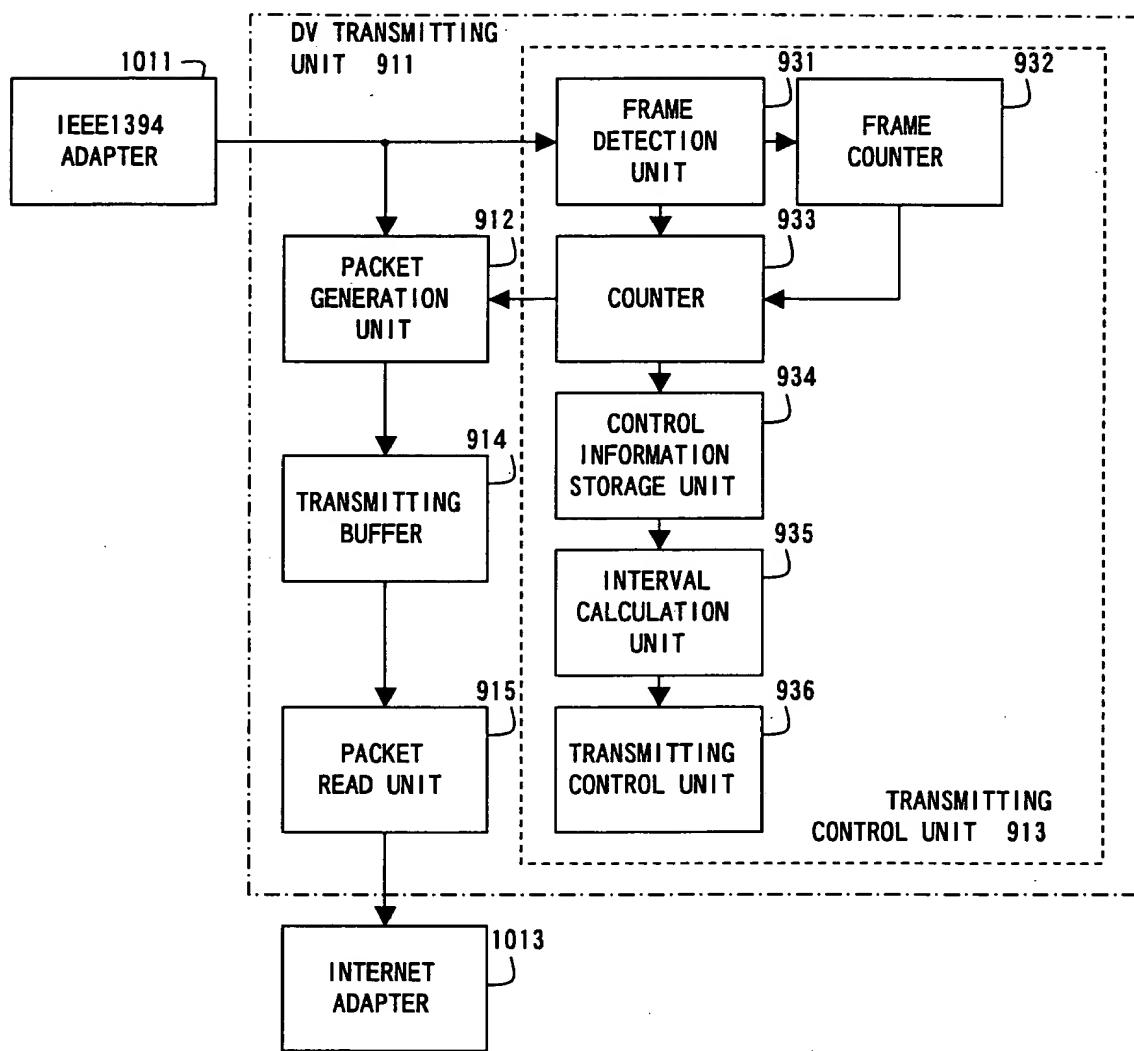


FIG. 51

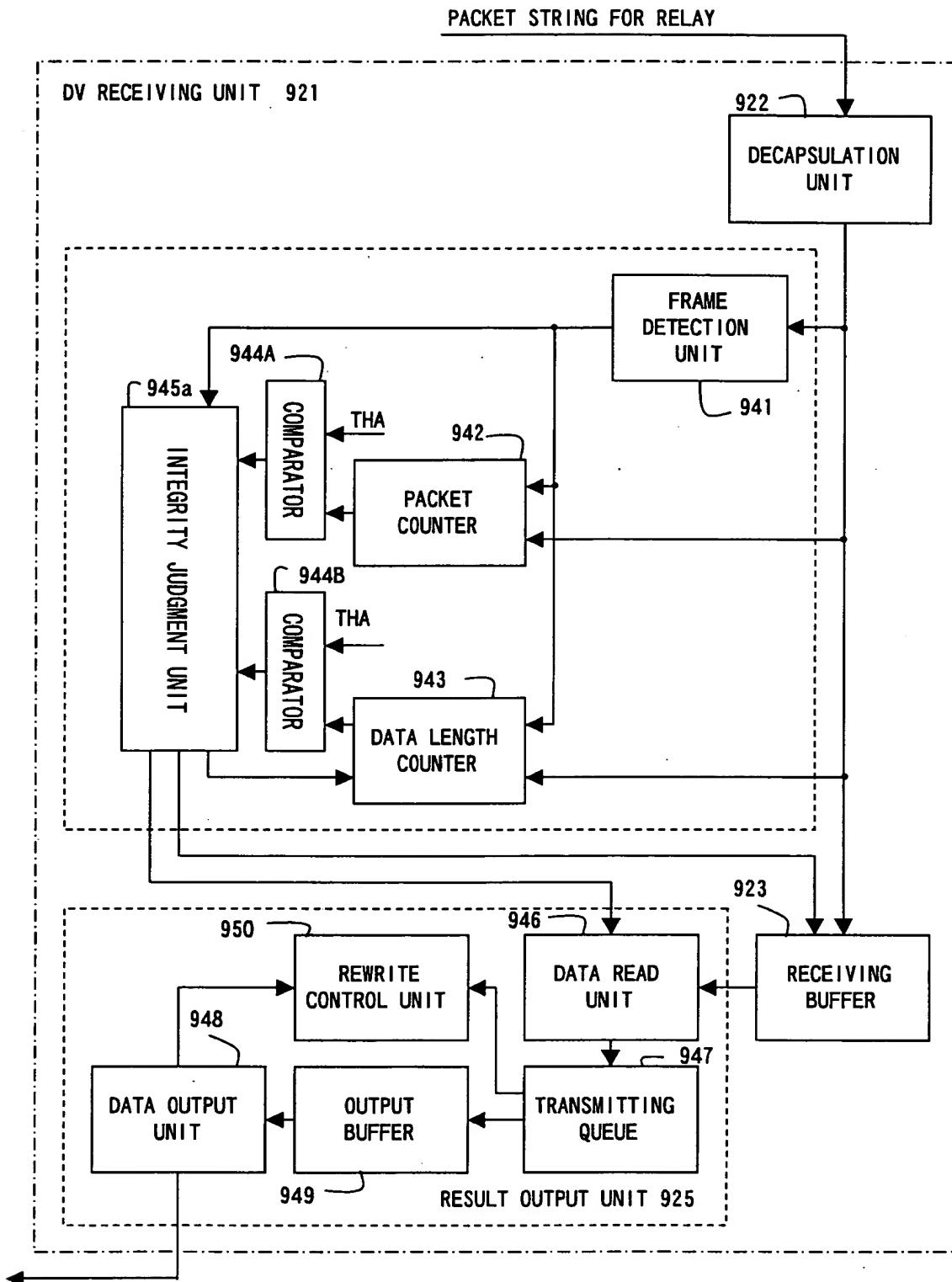
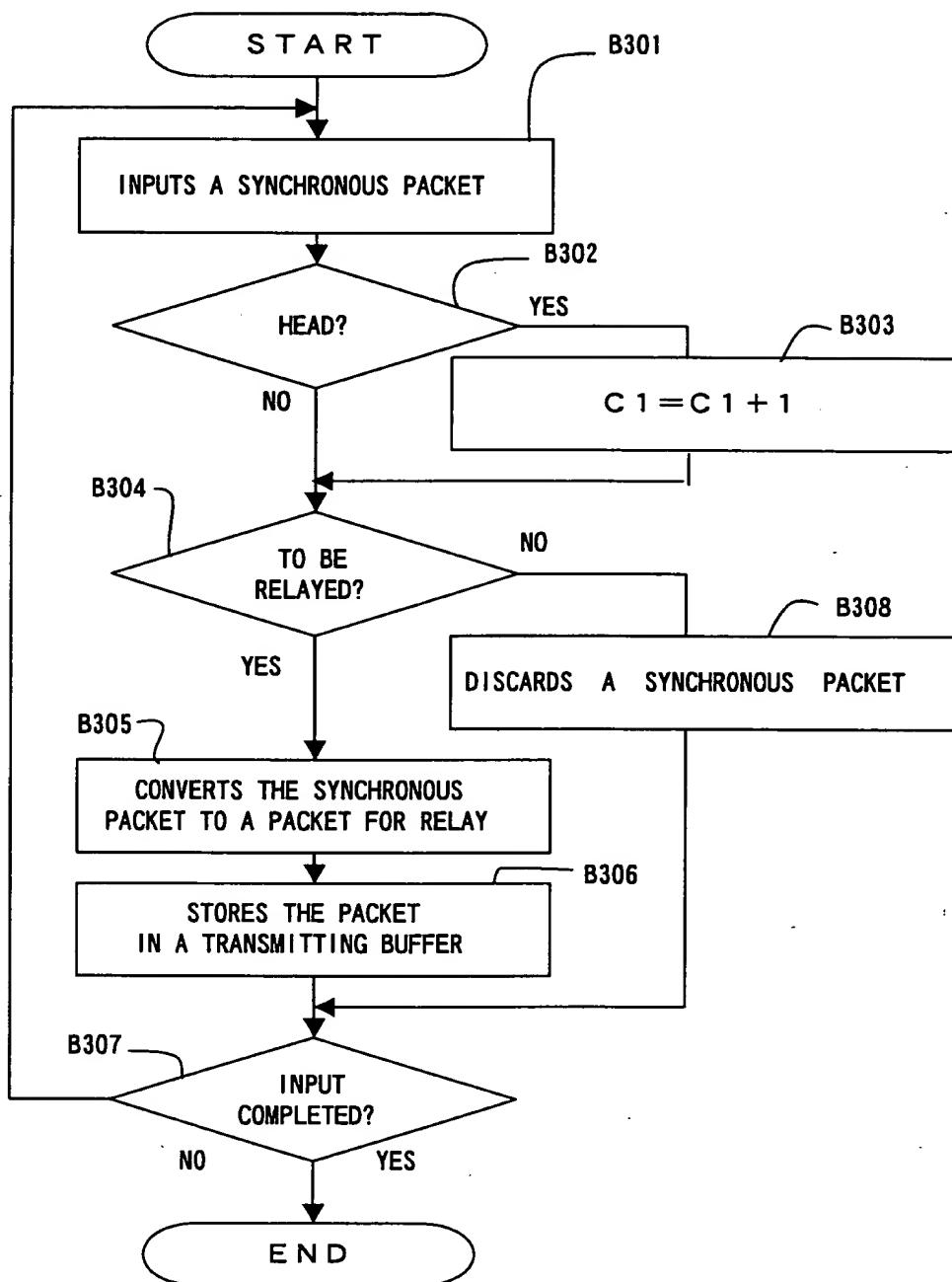
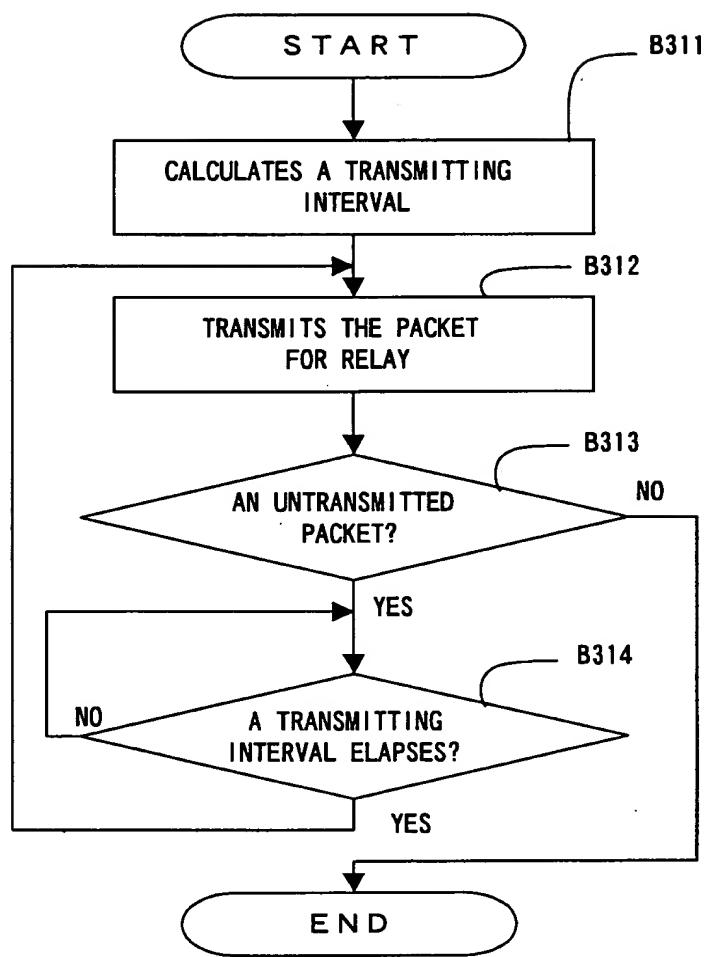


FIG. 52



F I G. 53A



F I G. 5 3 B

FIG. 54A

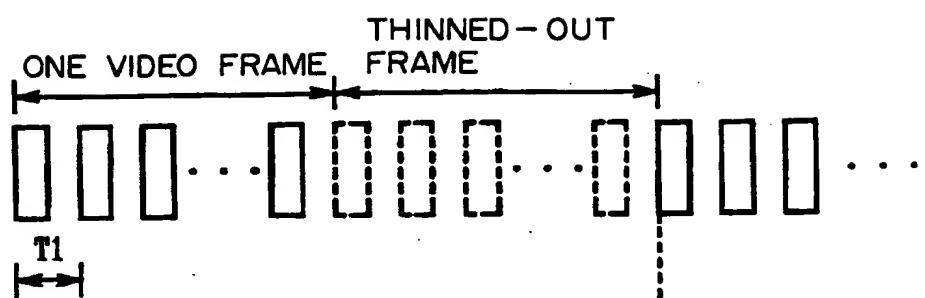
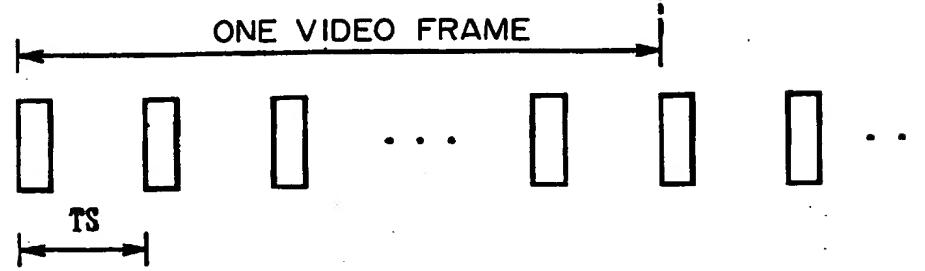
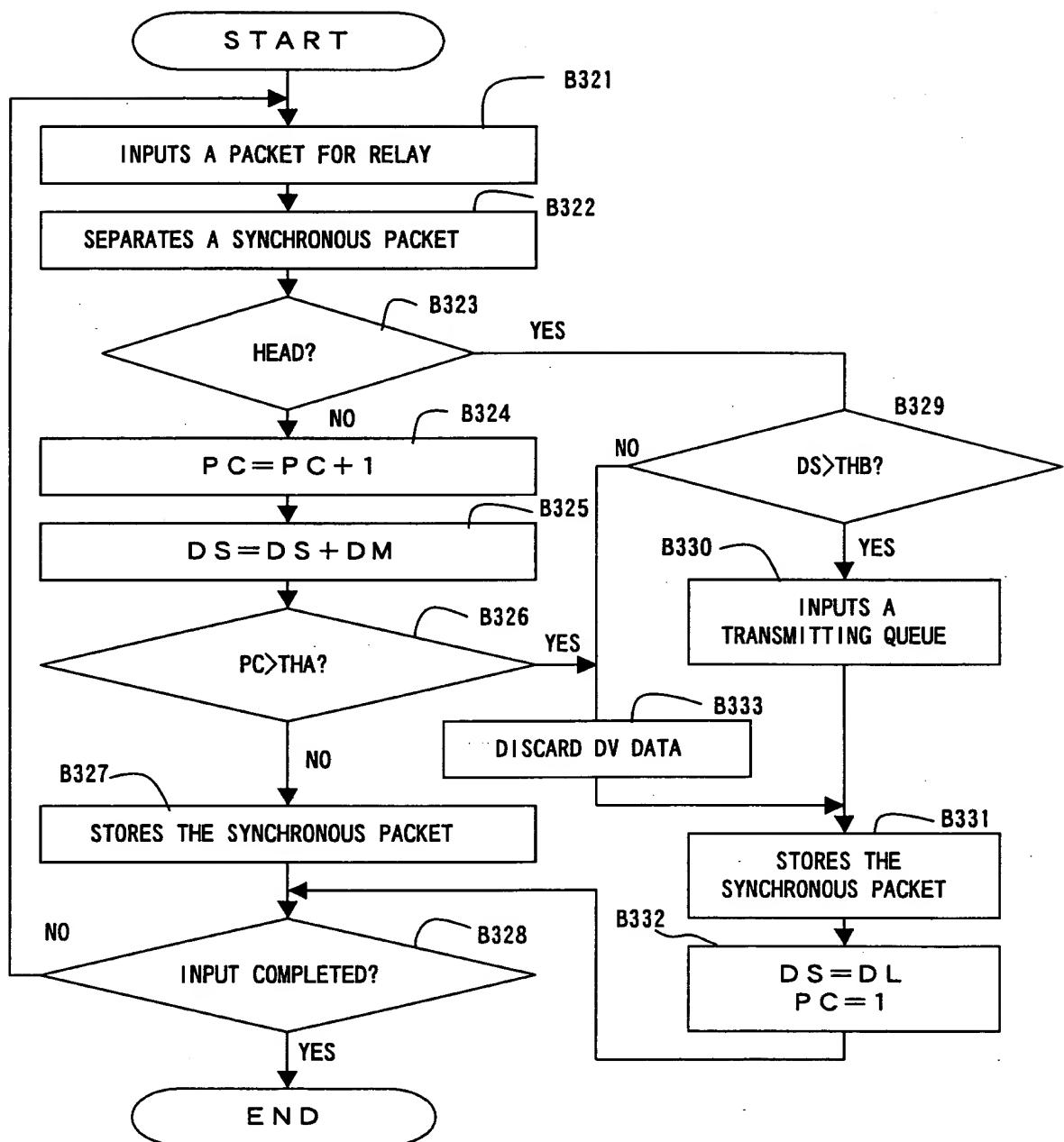


FIG. 54B





F I G. 55

FIG. 56A

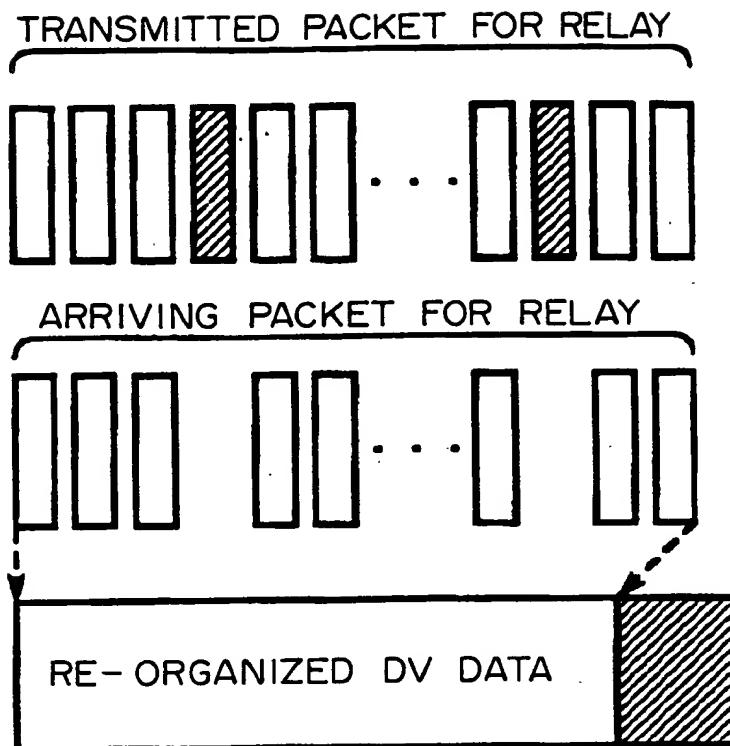
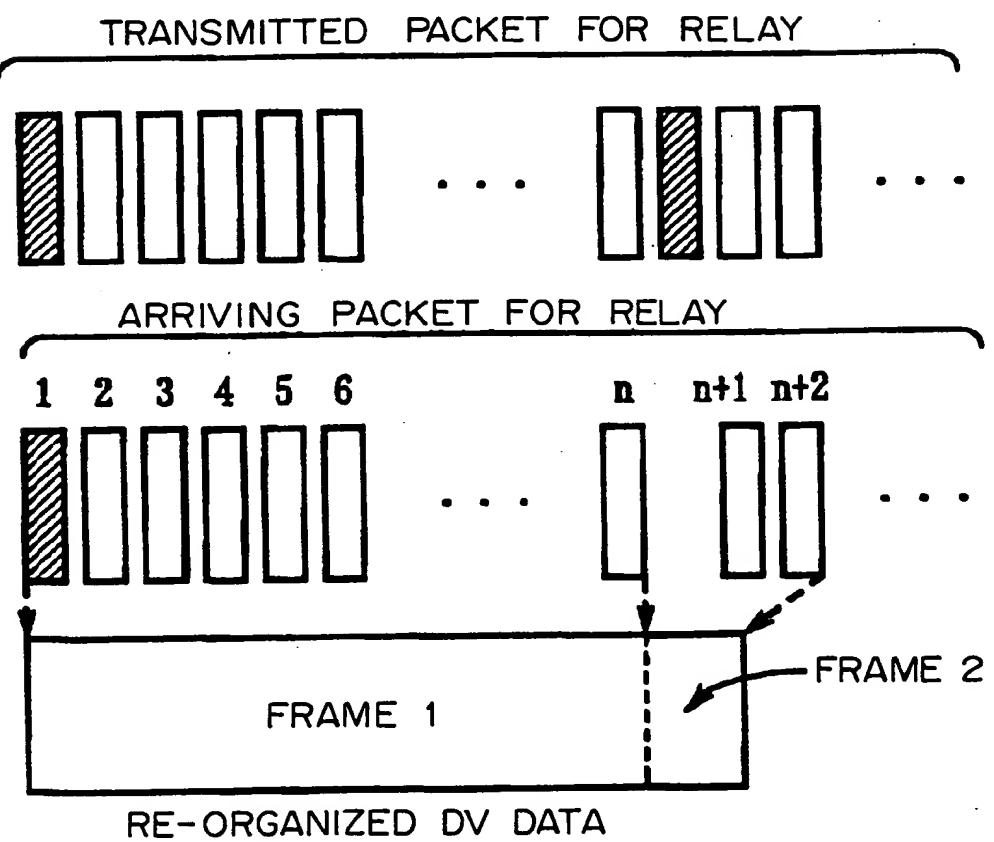


FIG. 56B



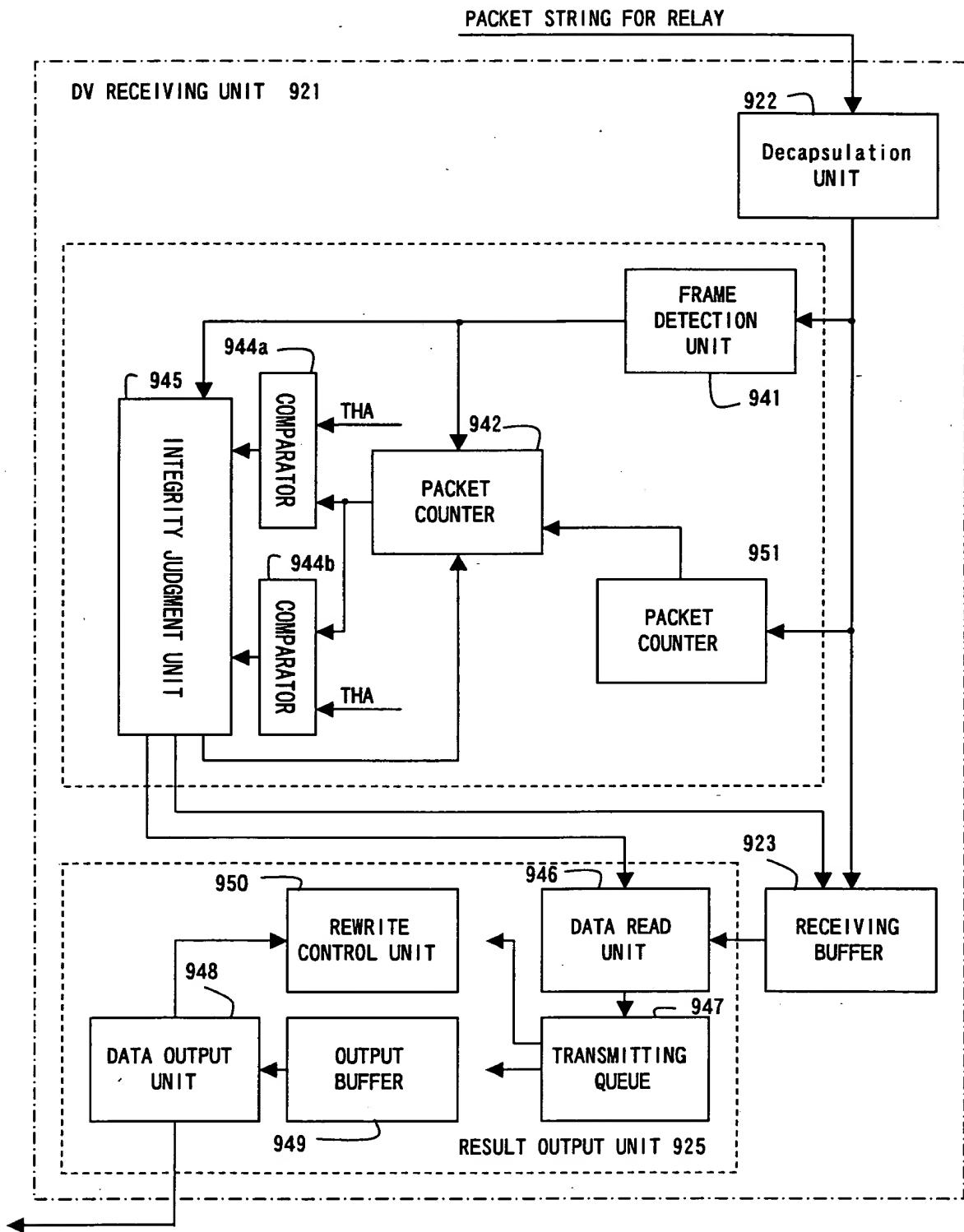
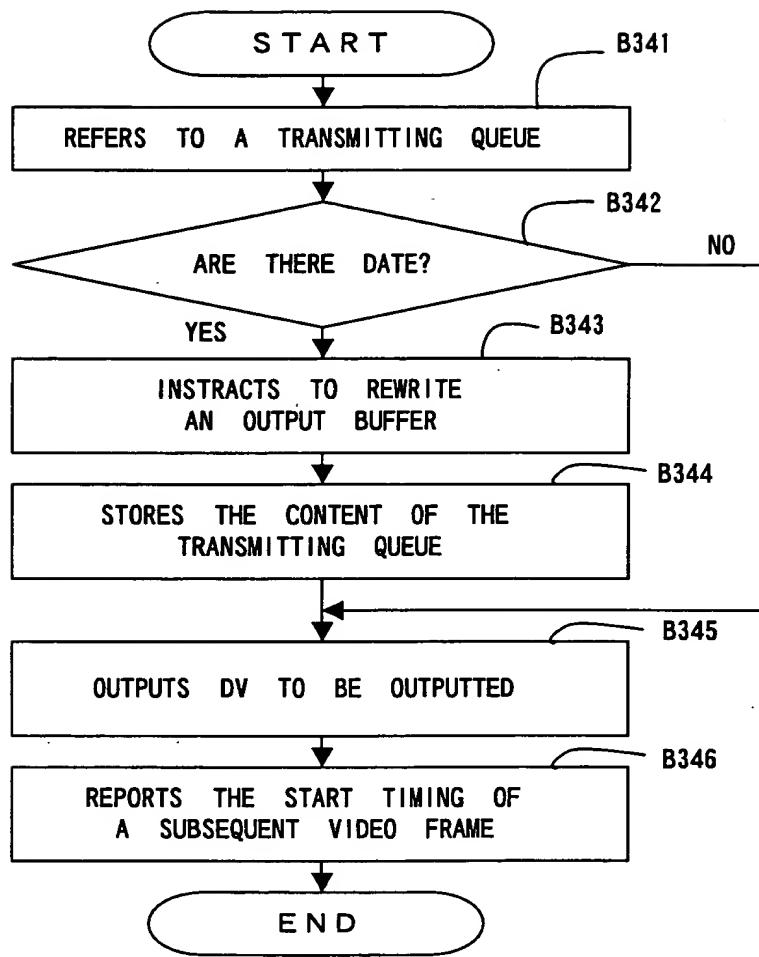


FIG. 57



F I G. 58

FIG. 59A

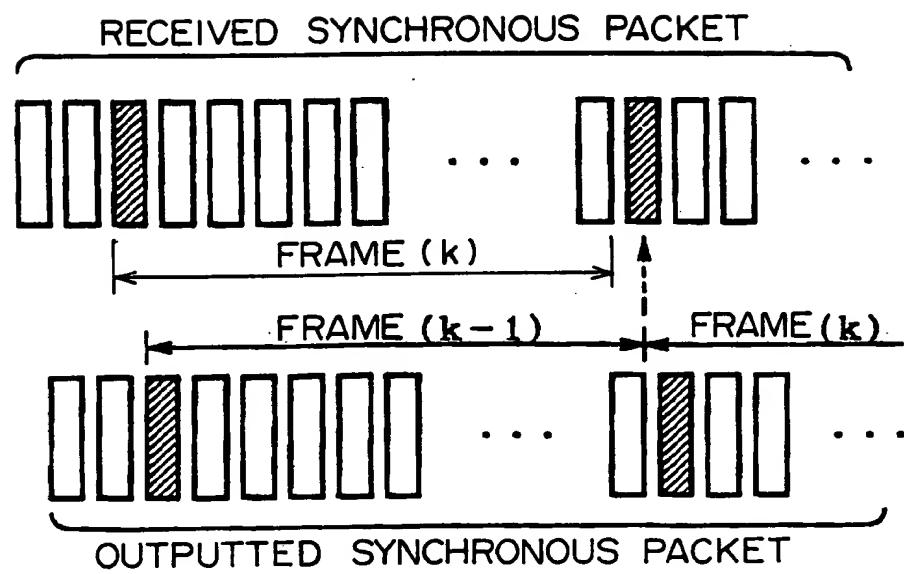
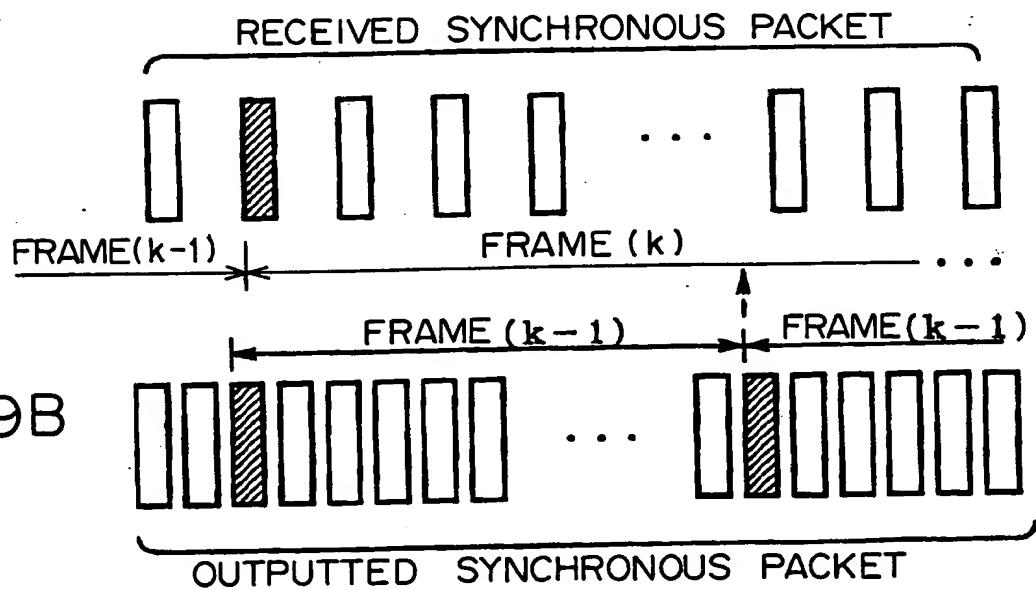
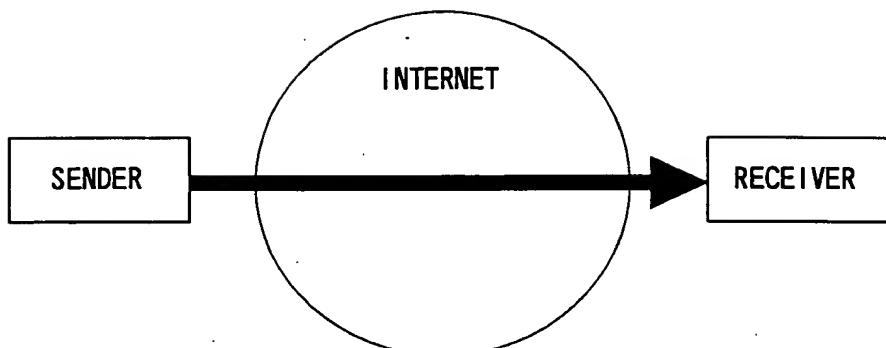
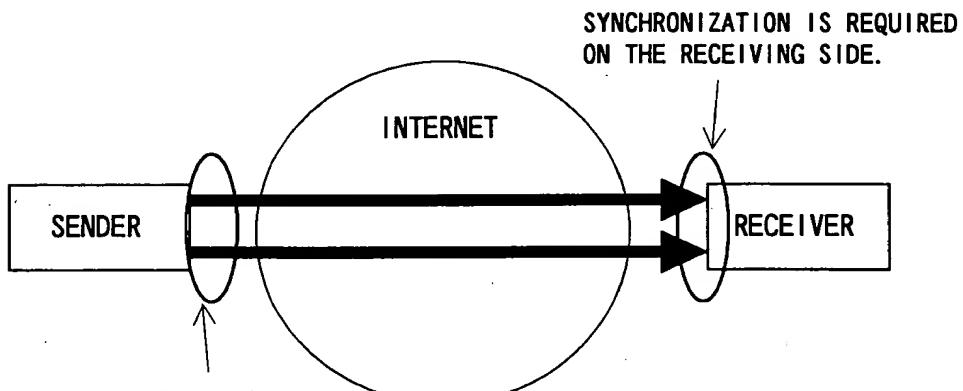


FIG. 59B

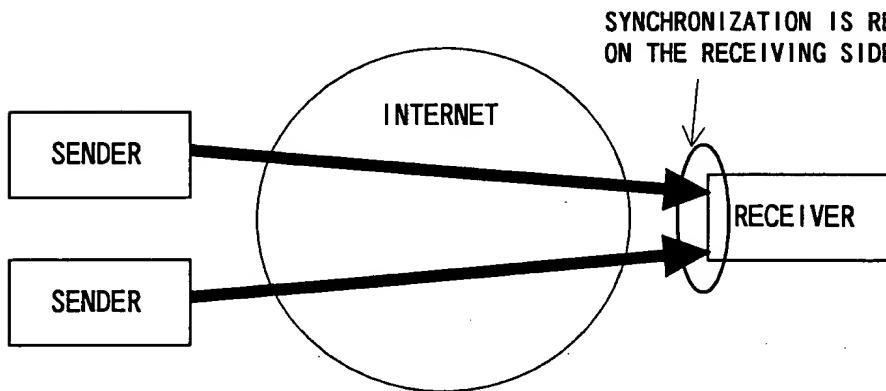




F I G . 6 0 A

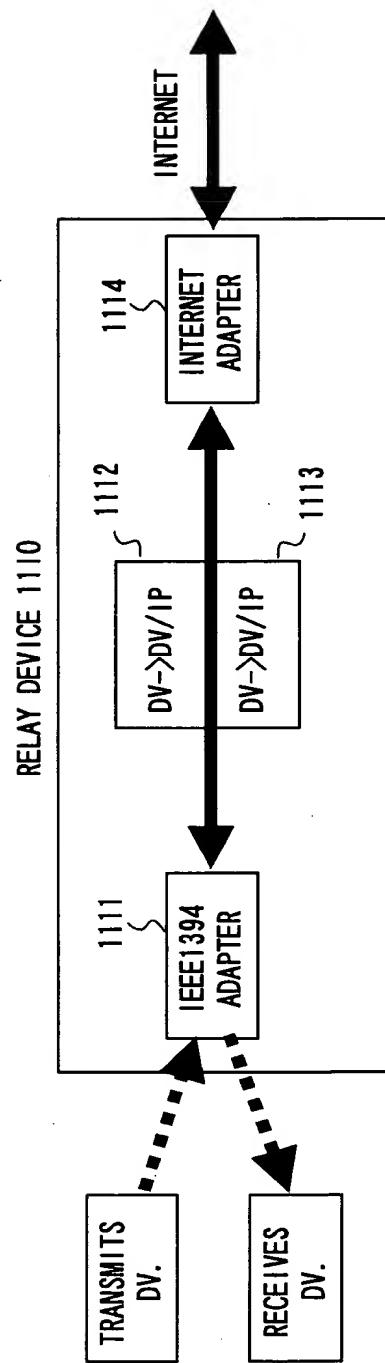


F I G . 6 0 B

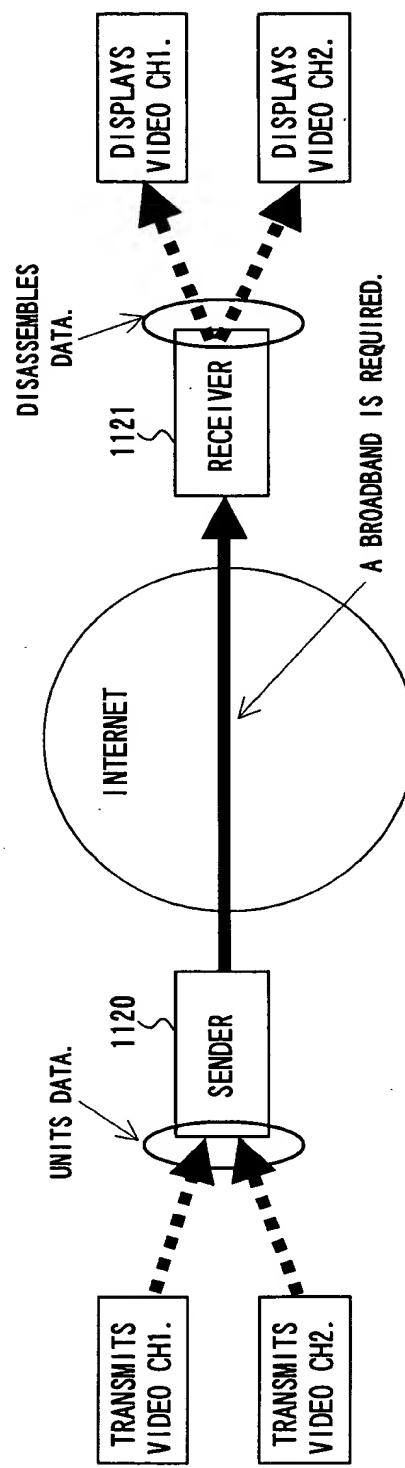


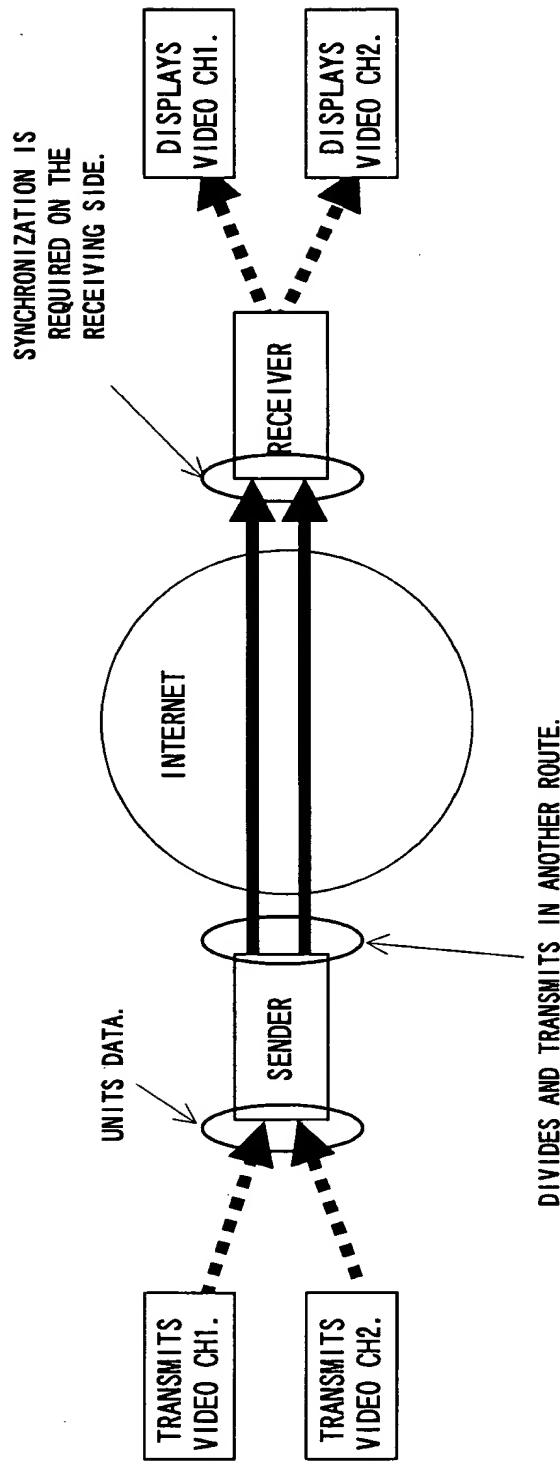
F I G . 6 0 C

F I G. 61



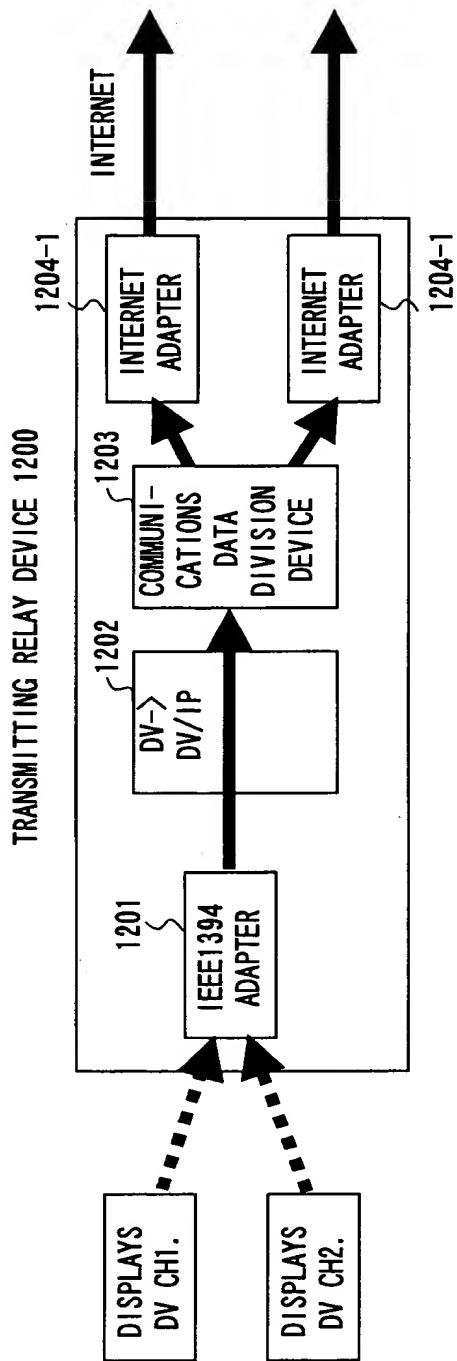
F I G. 6 2

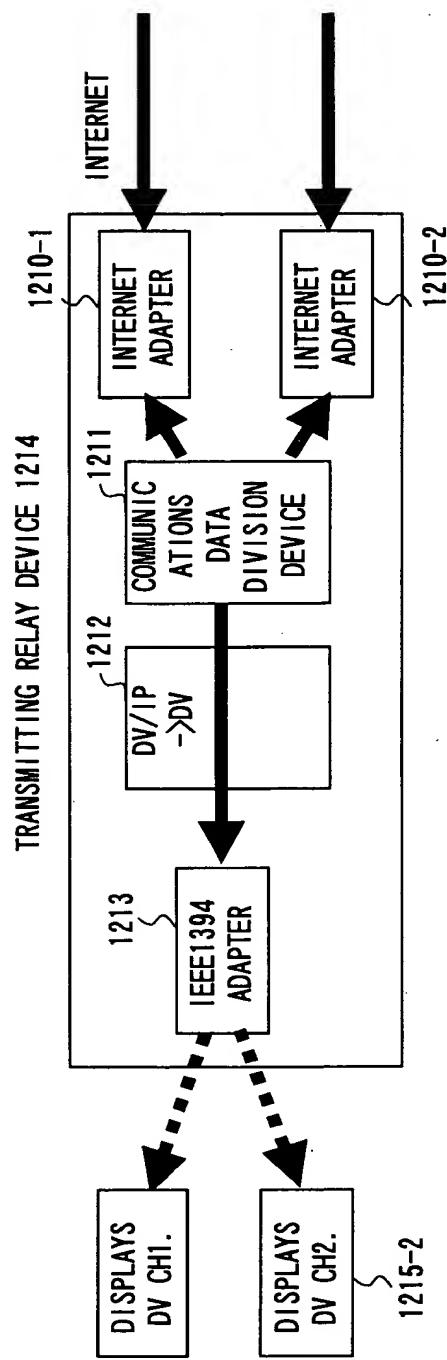




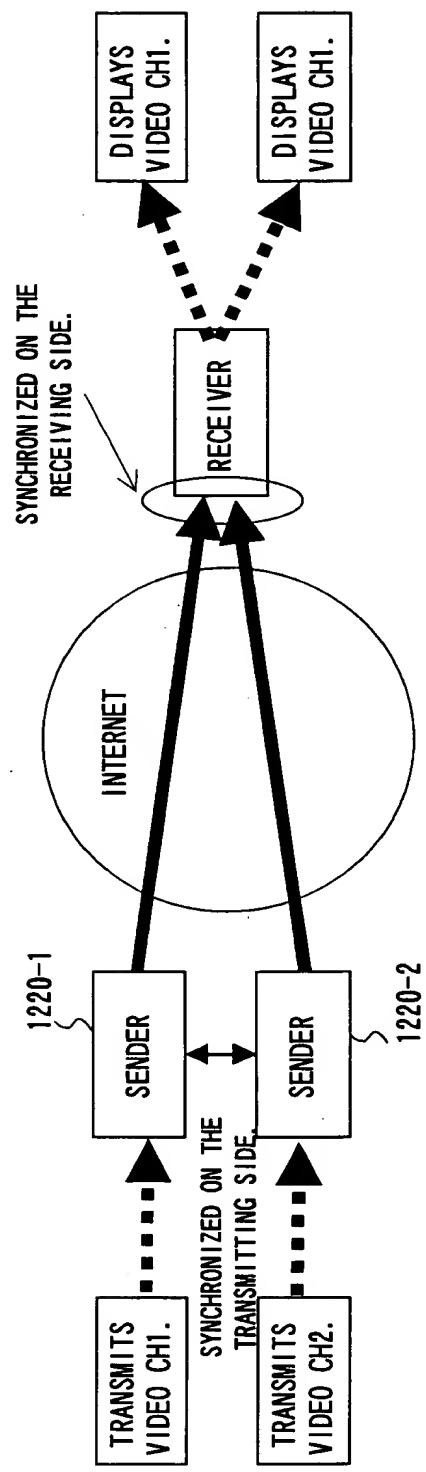
F | G. 6 3

F I G. 64

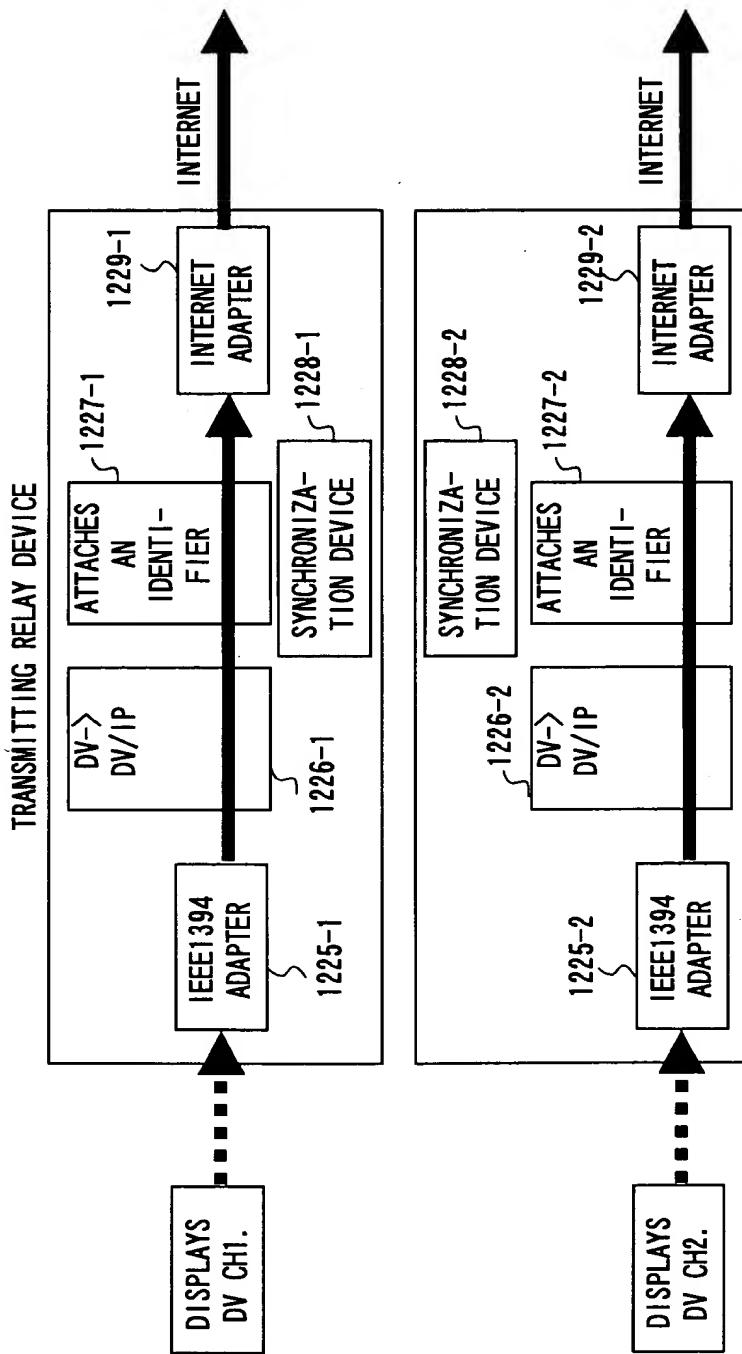




F I G. 6 5

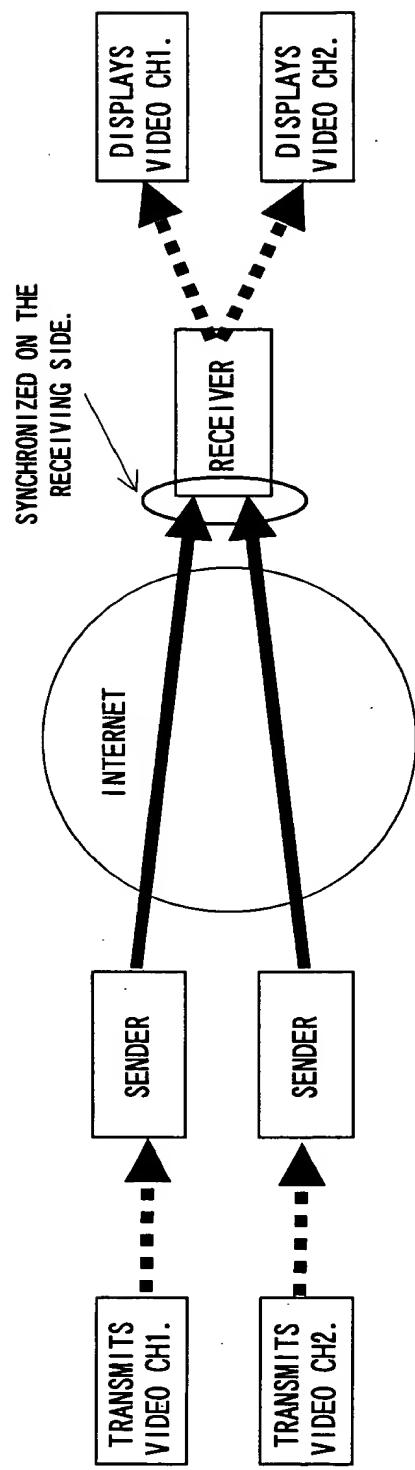


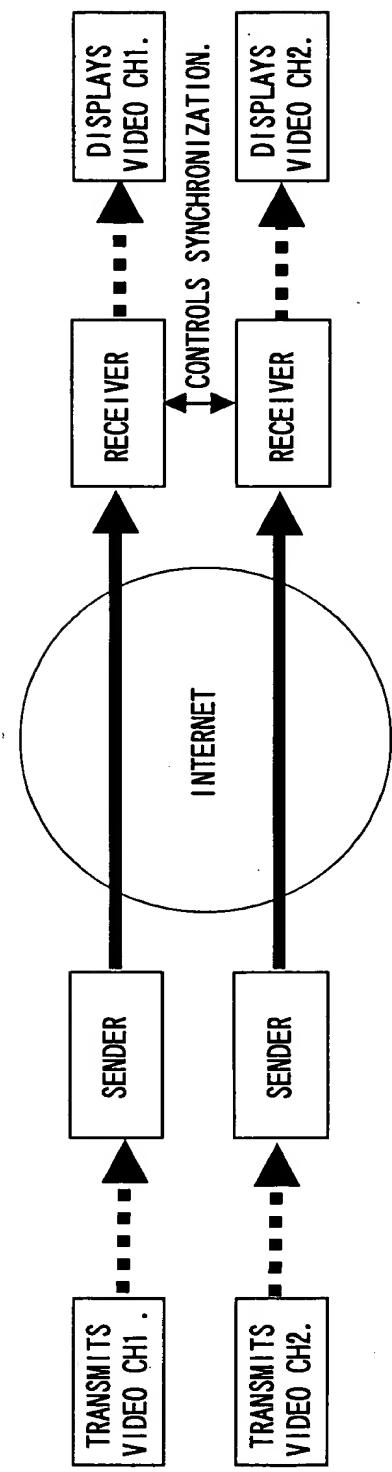
F I G. 6 6



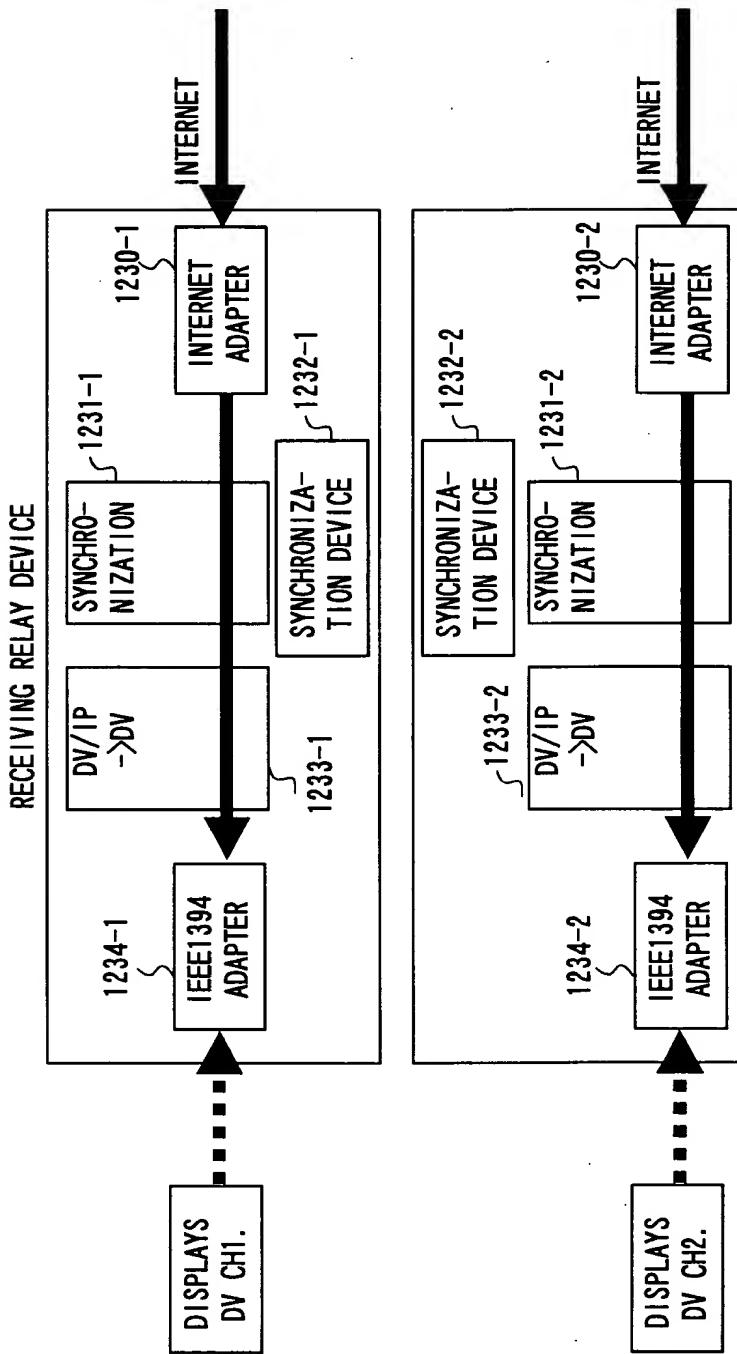
F I G. 67

F I G. 6 8

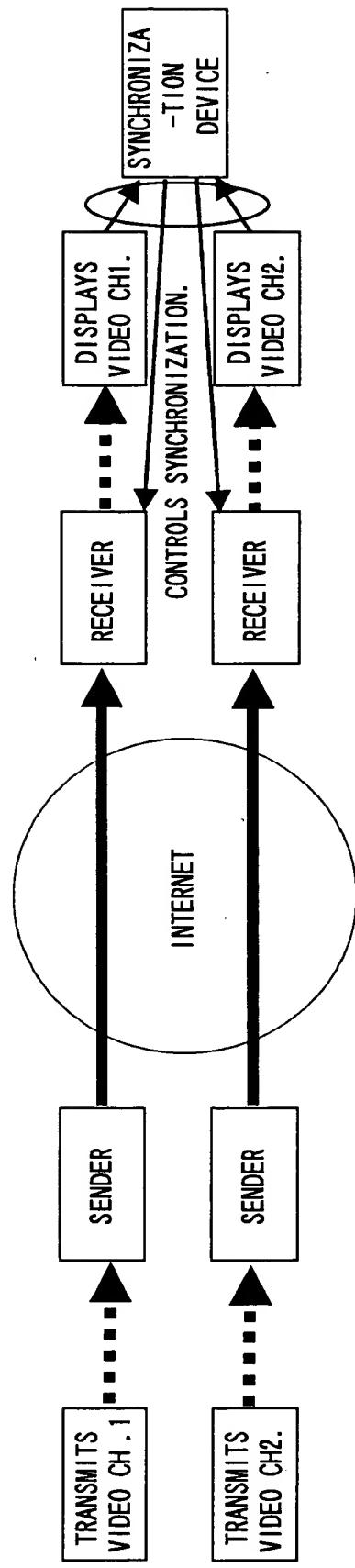




F I G. 6 9

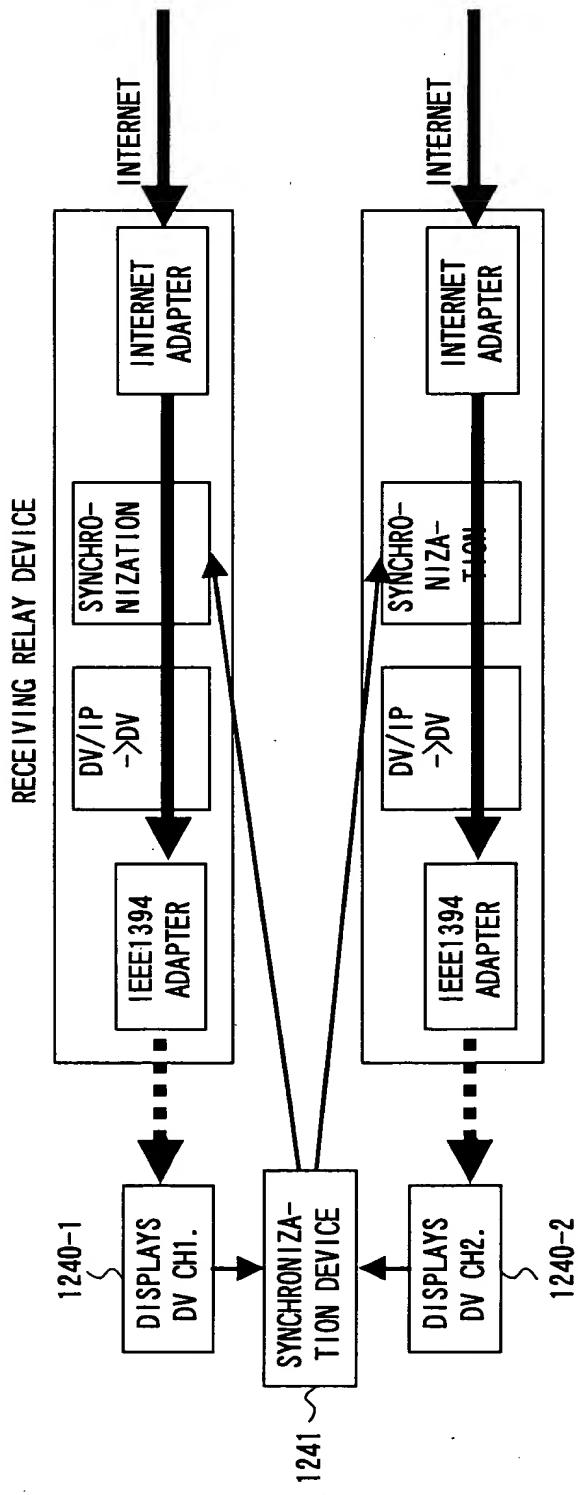


F I G. 70

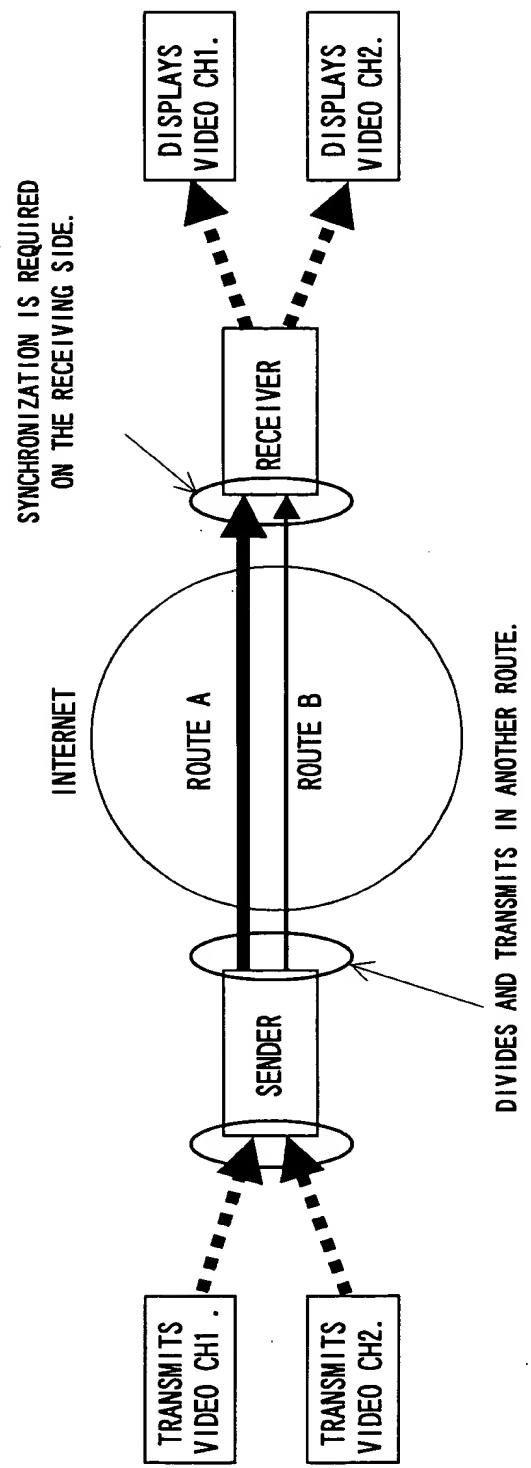


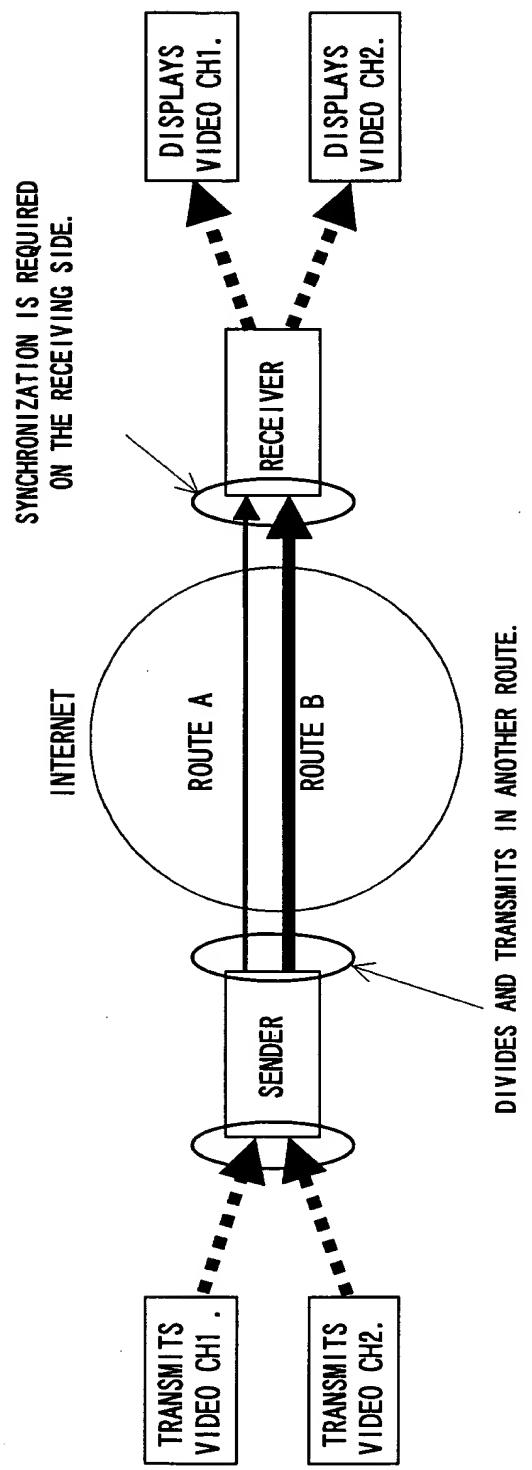
F I G. 71

F I G. 72



F I G. 7 3





F I G. 74

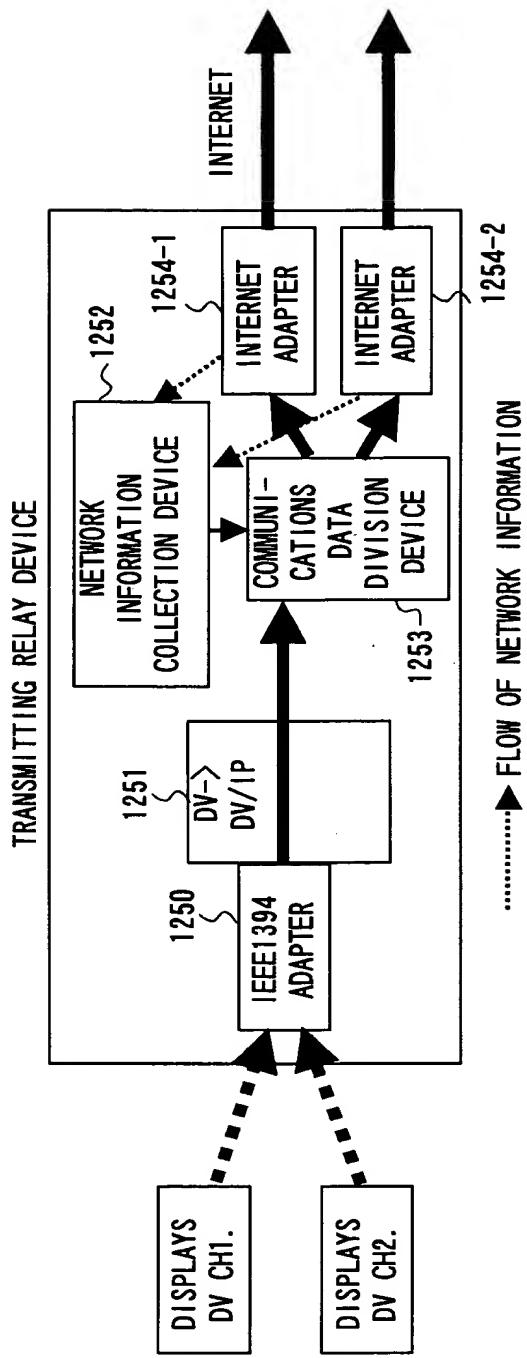
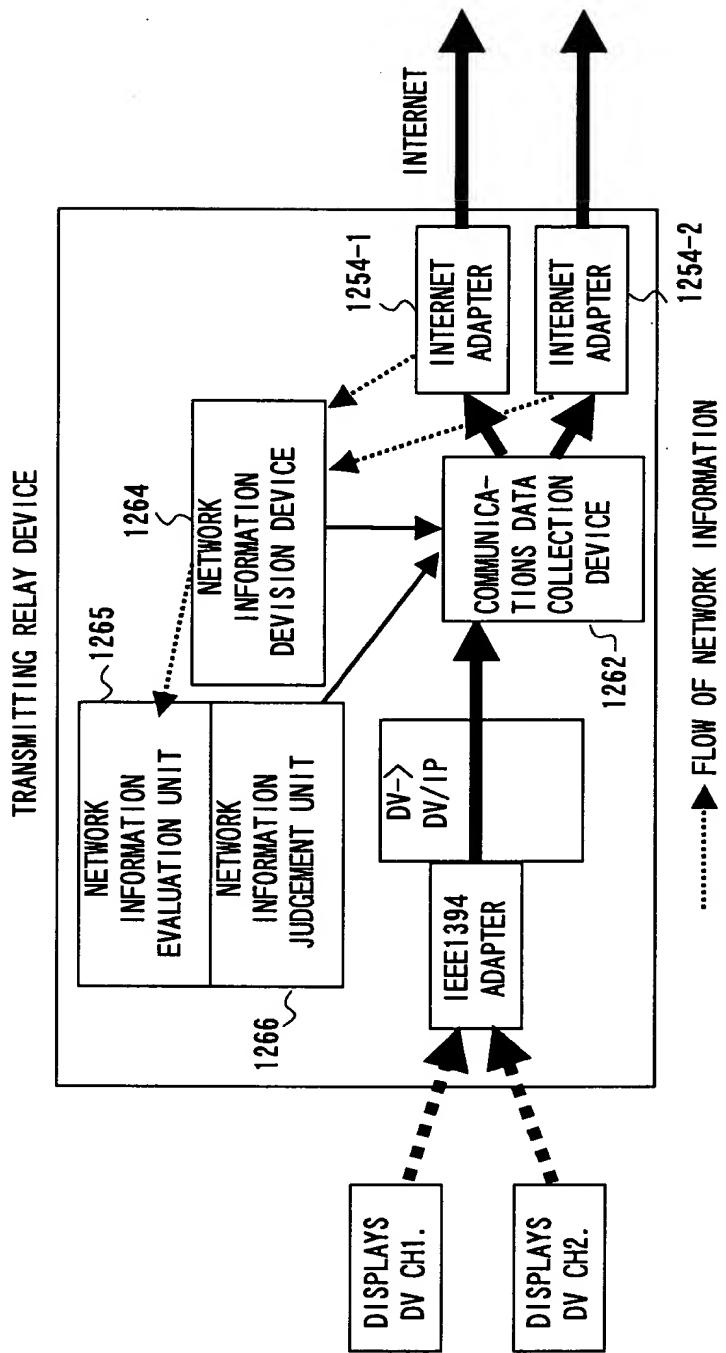


FIG. 75



**F I G. 7 6**

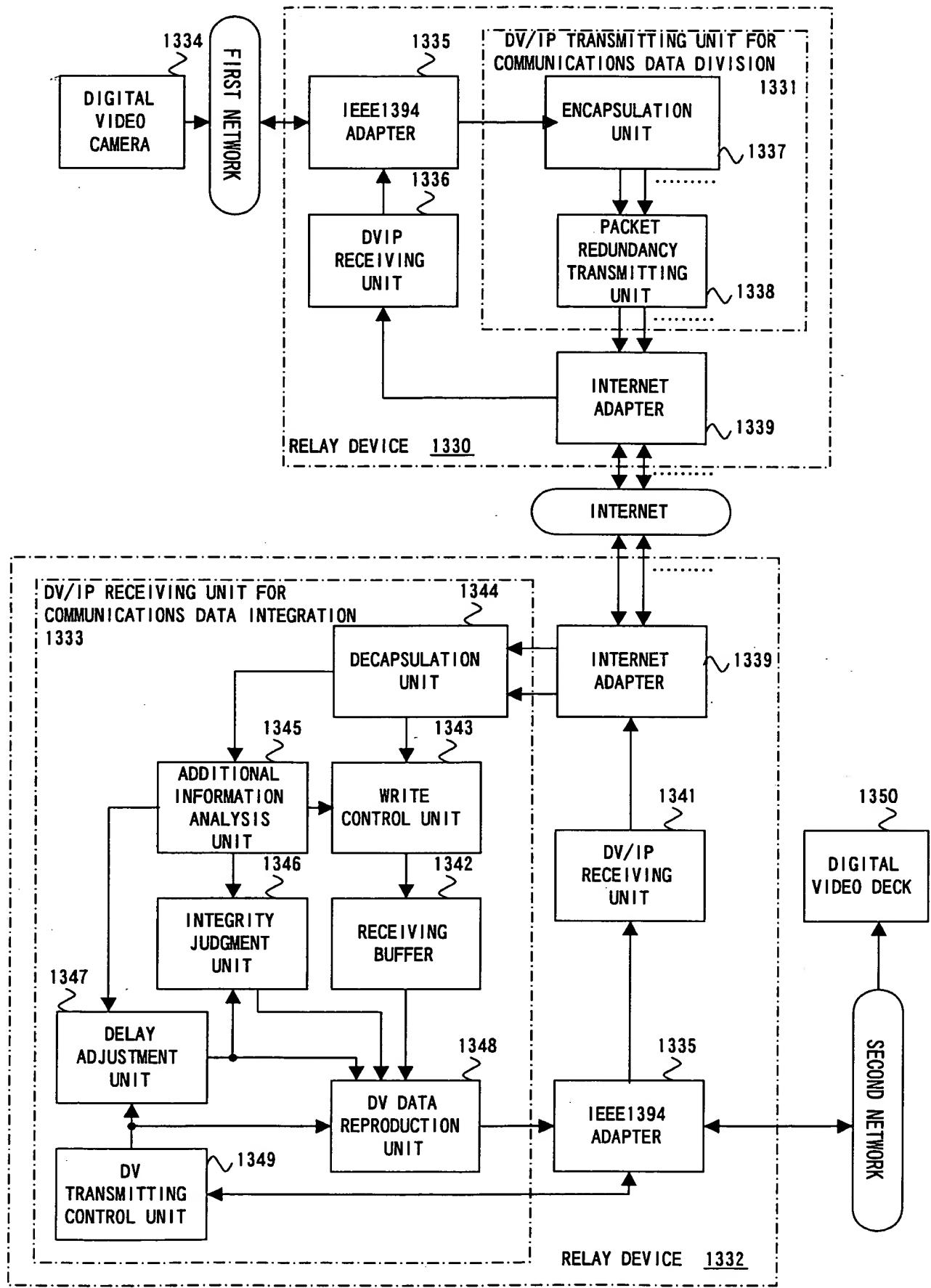
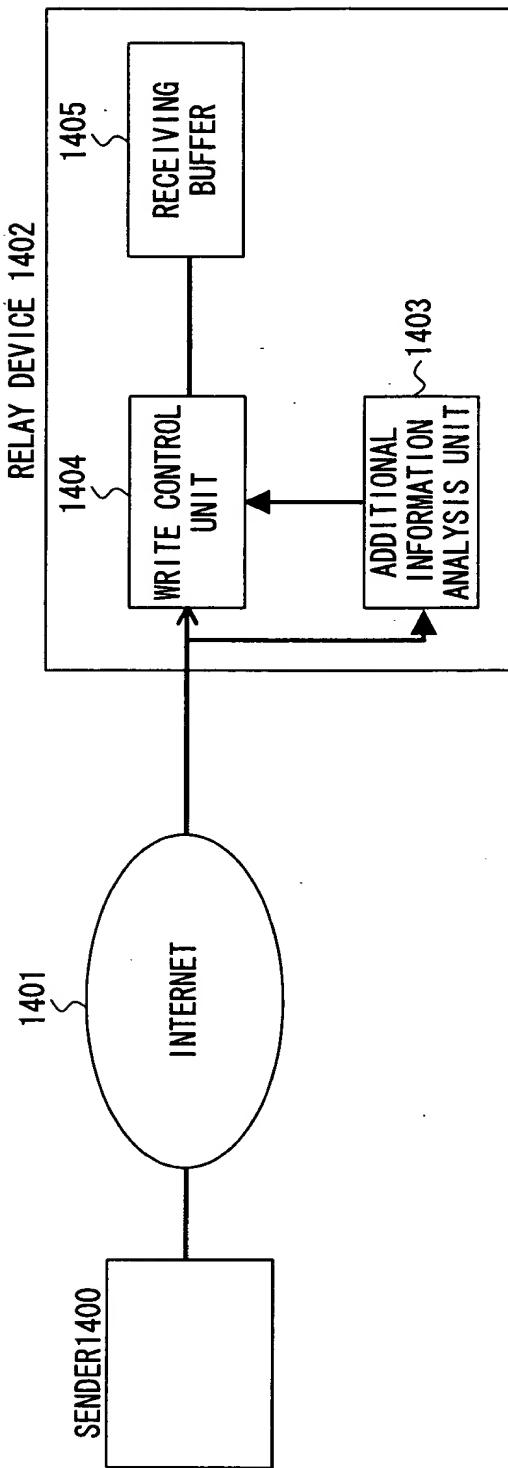


FIG. 77



F I G. 7 8